

FIG. 1

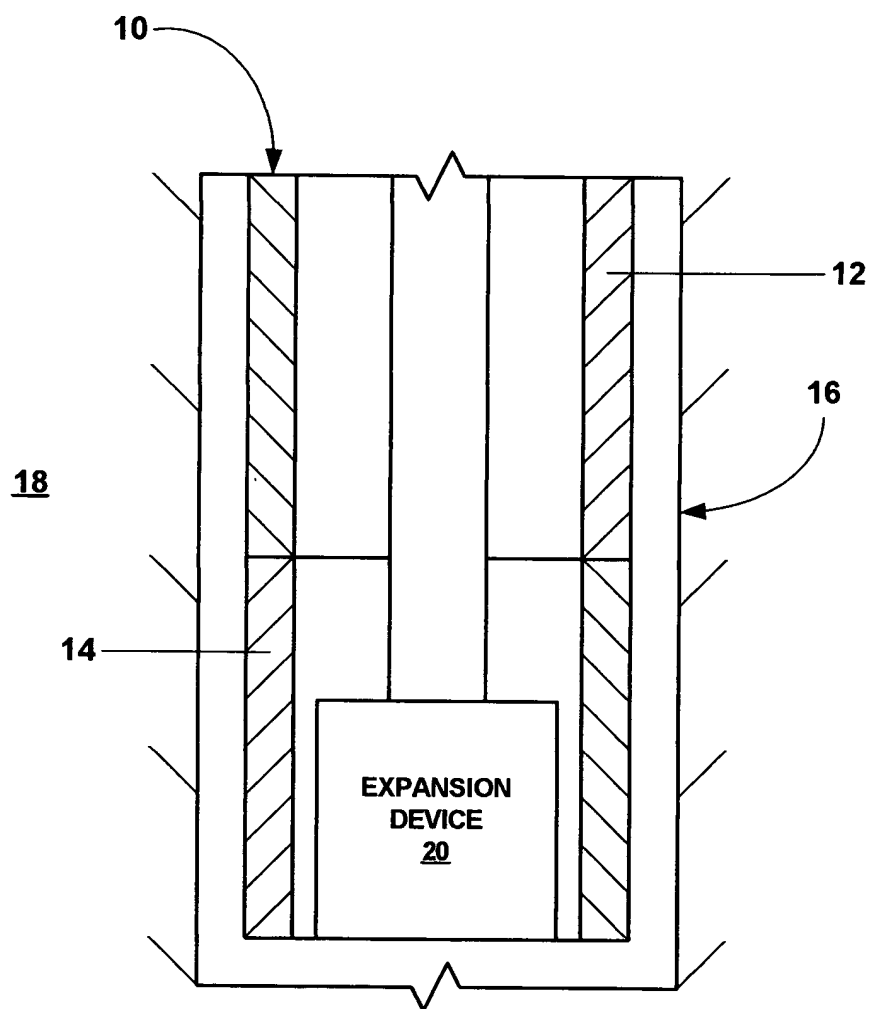


FIG. 2

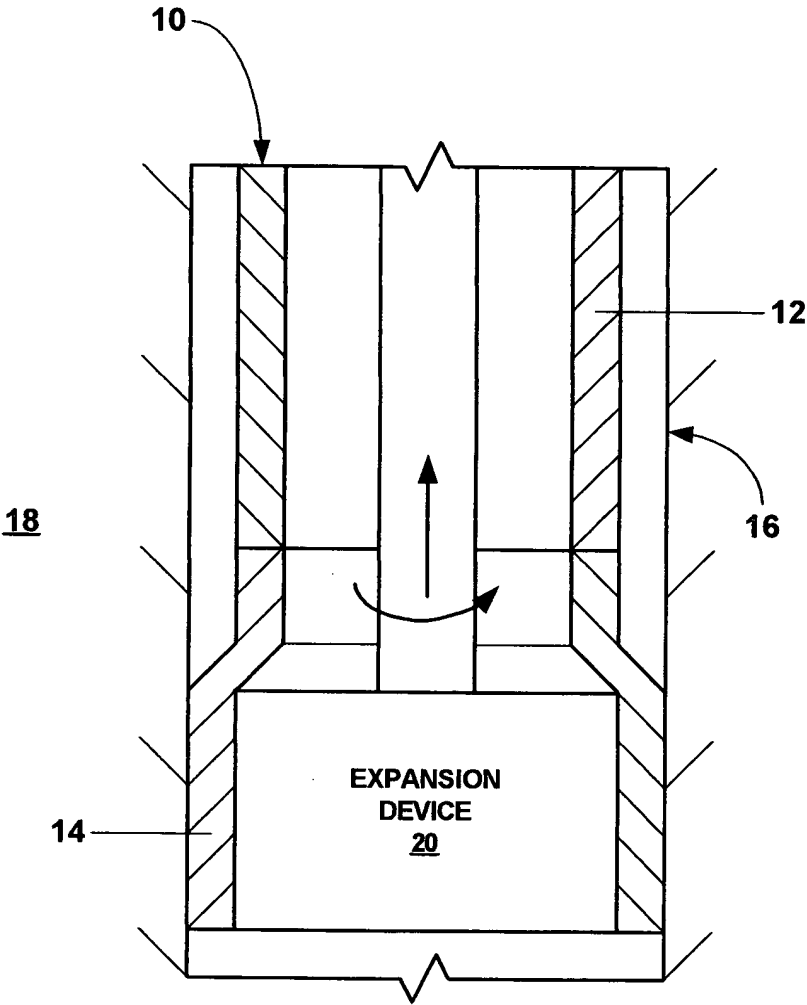


FIG. 3

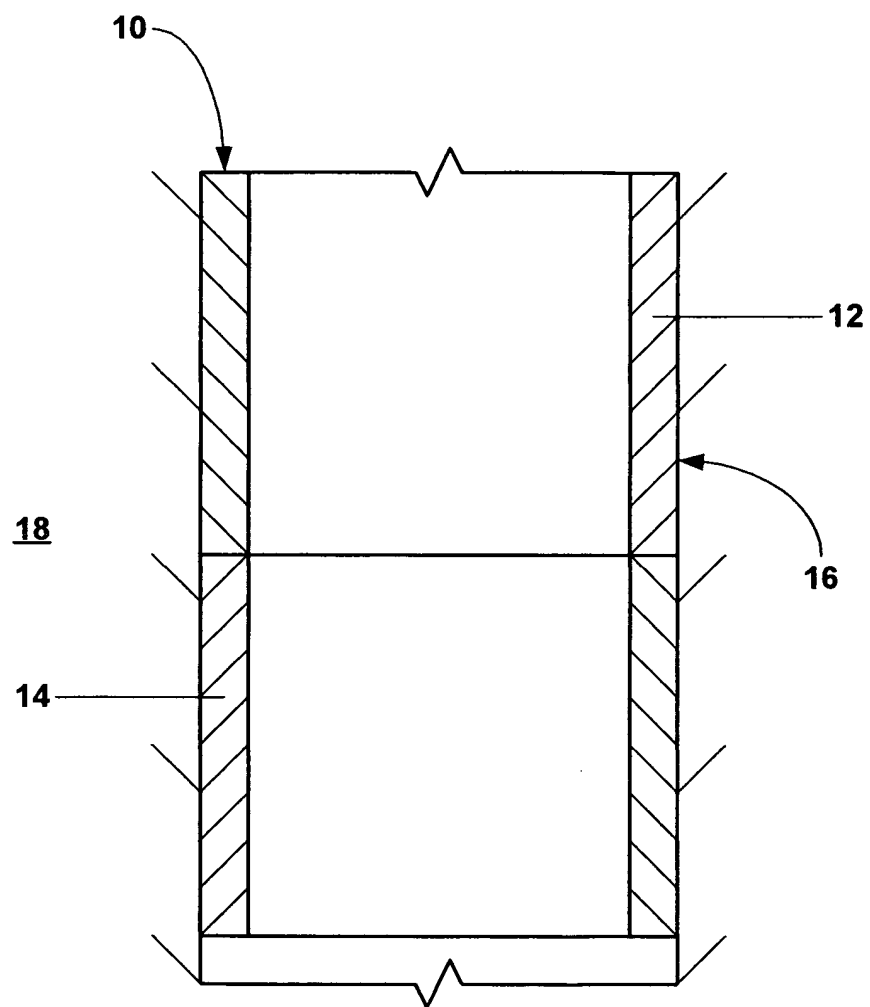


FIG. 4

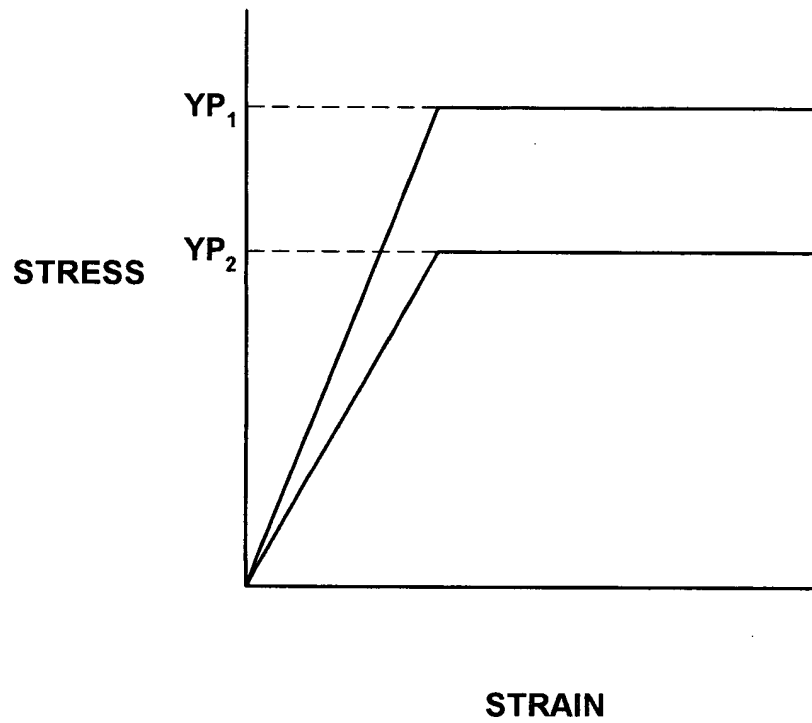


FIG. 5

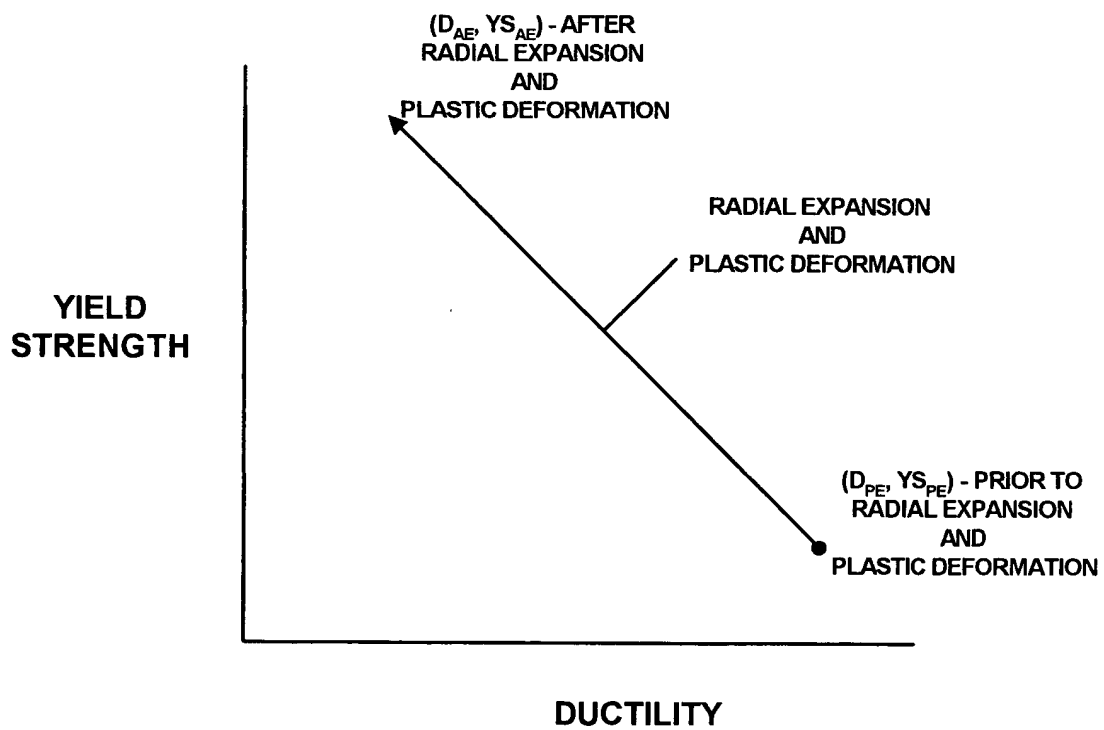


FIG. 6

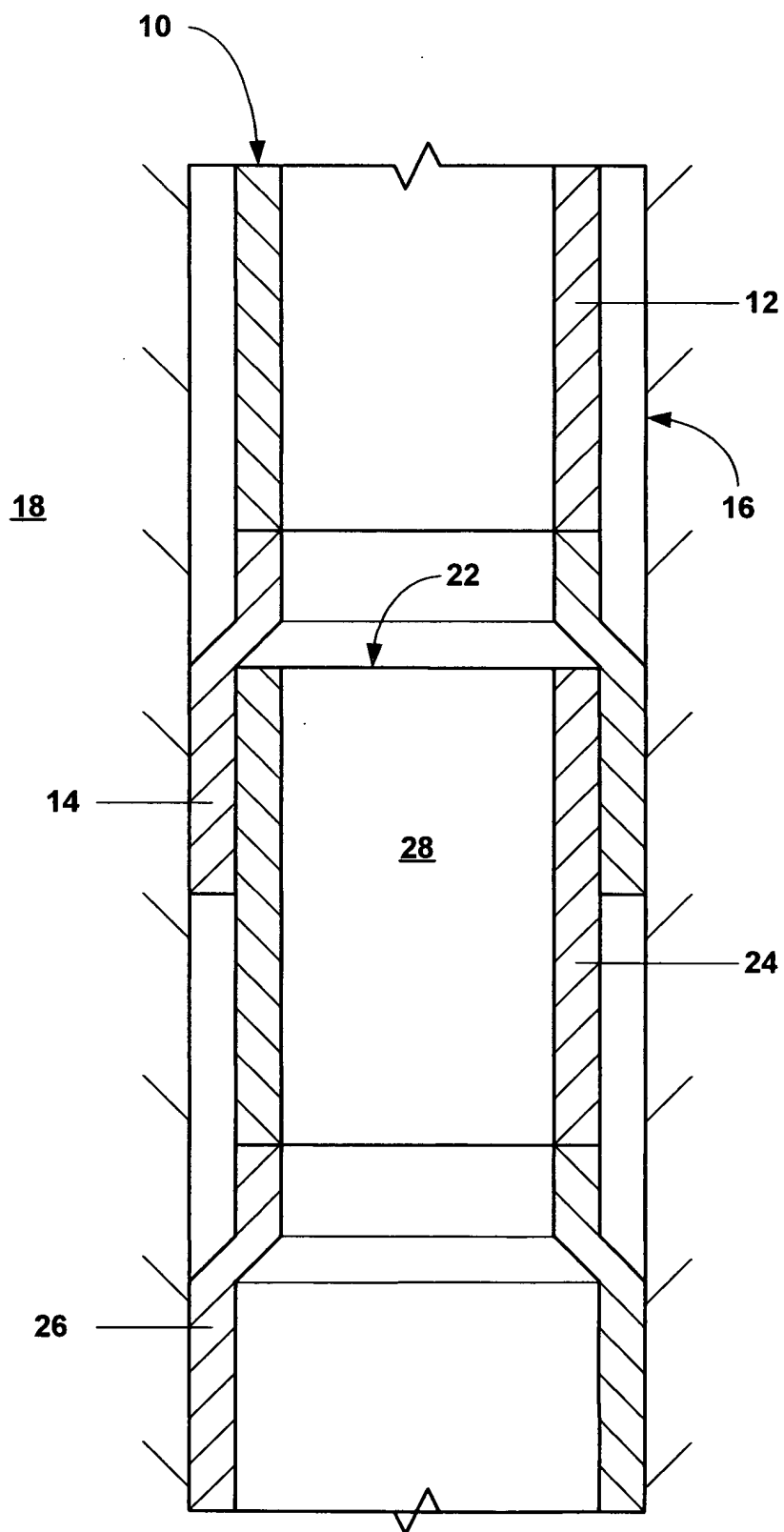


FIG. 7

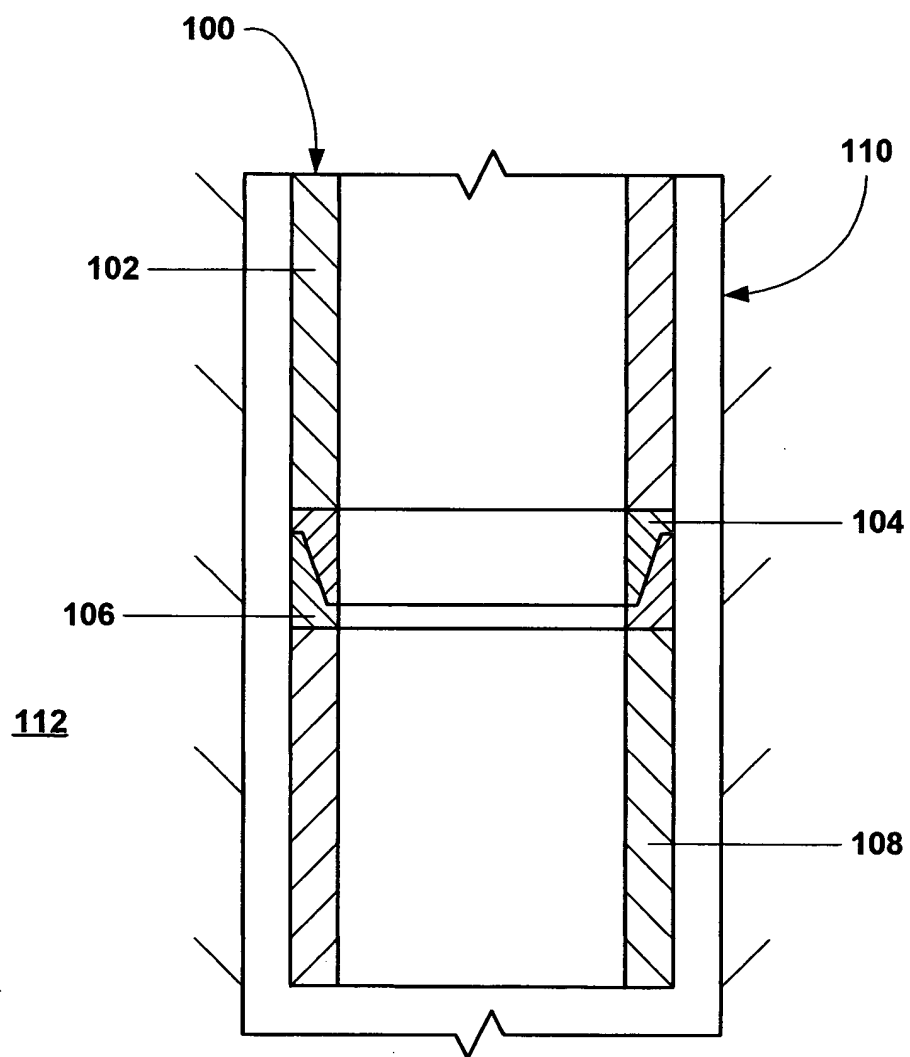


FIG. 8

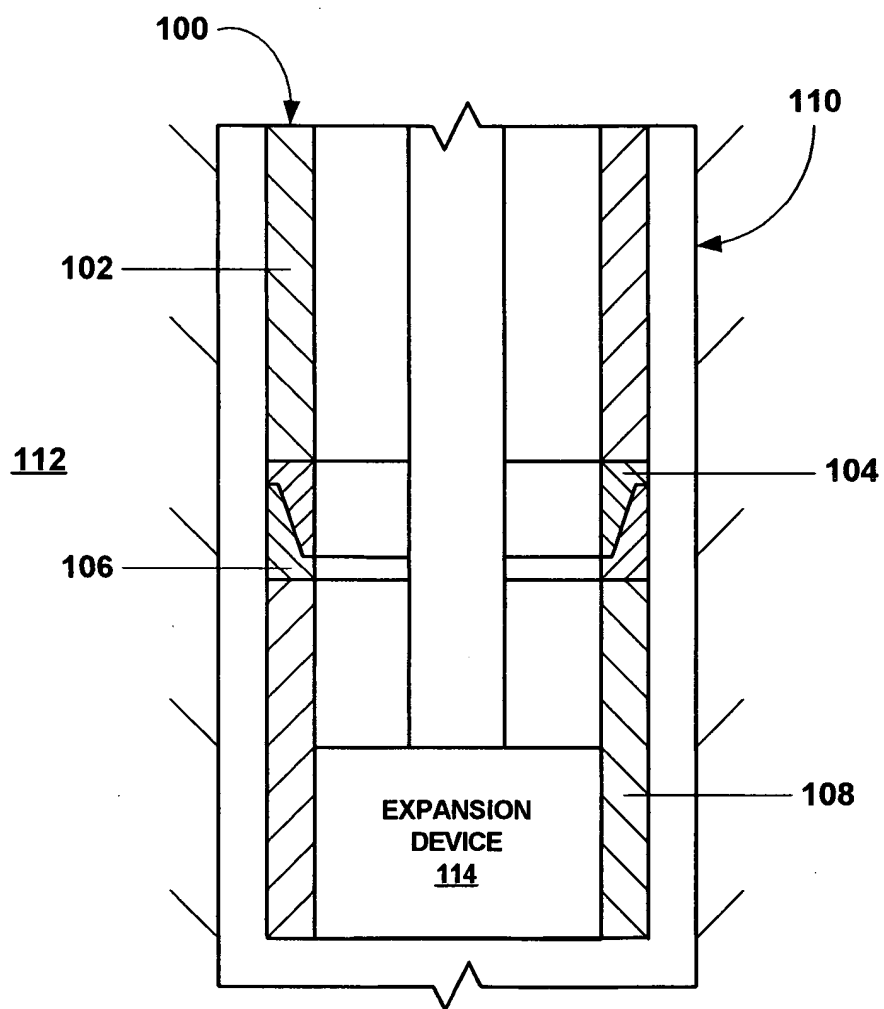


FIG. 9

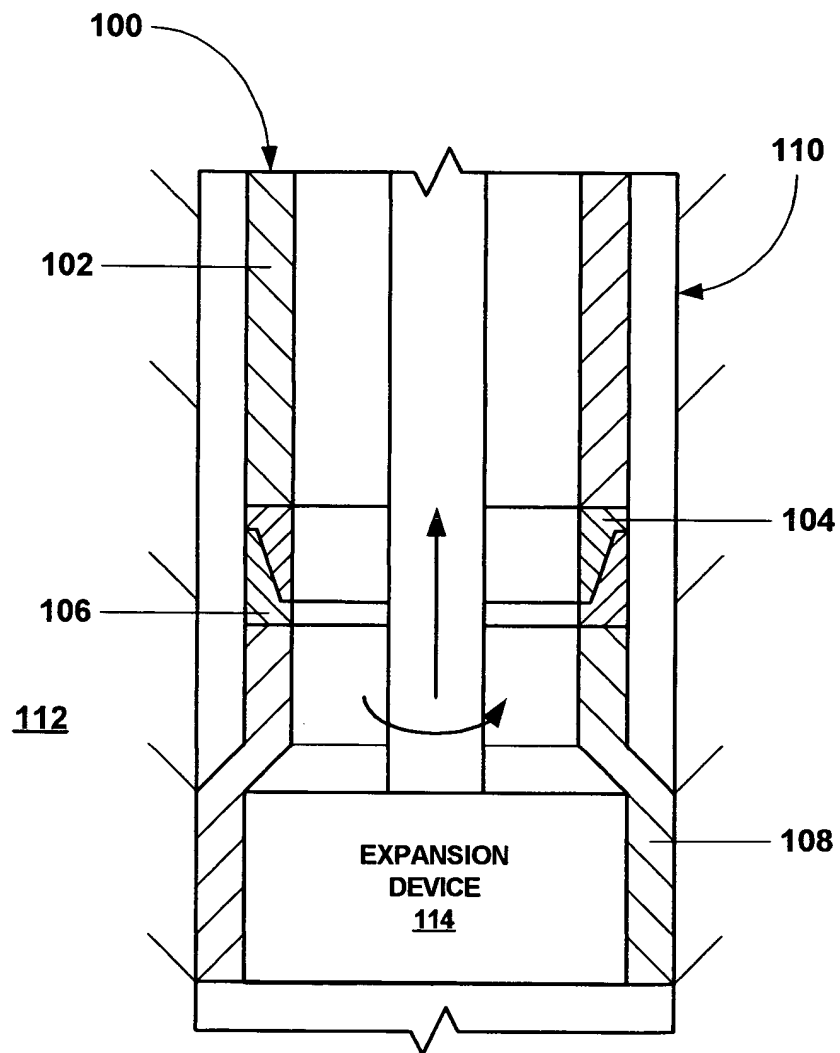


FIG. 10

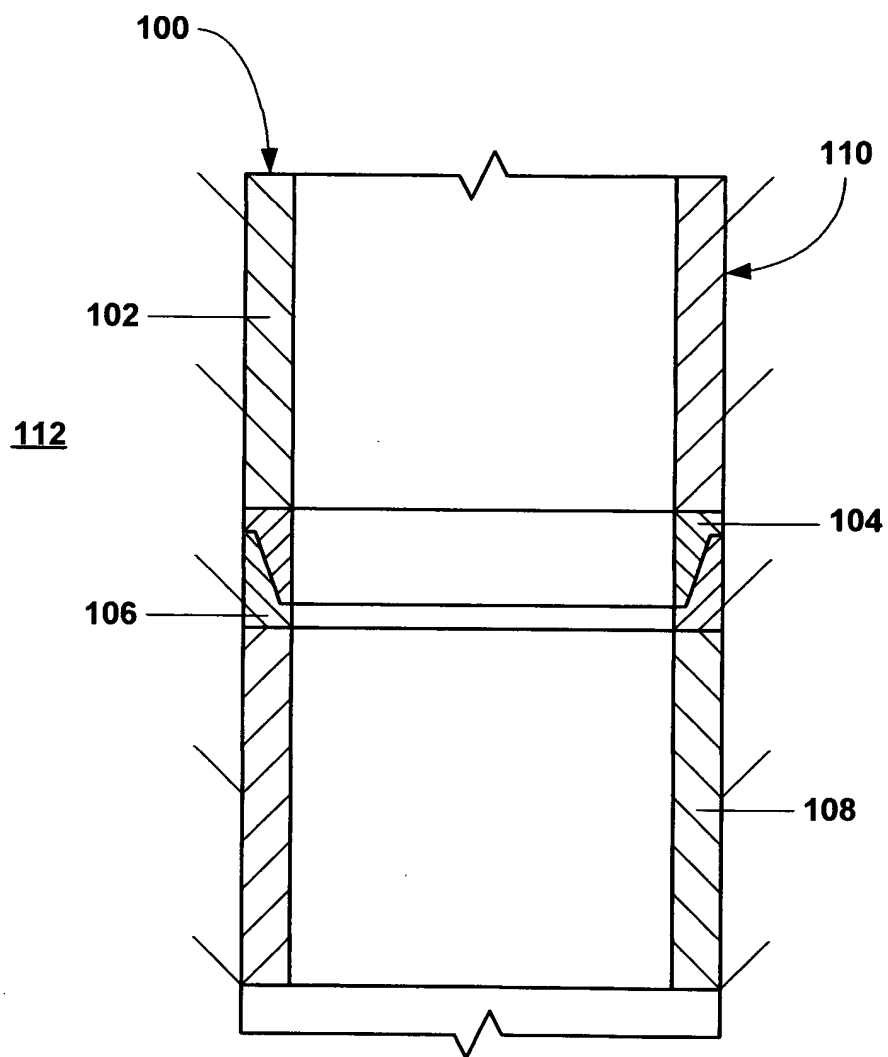


FIG. 11

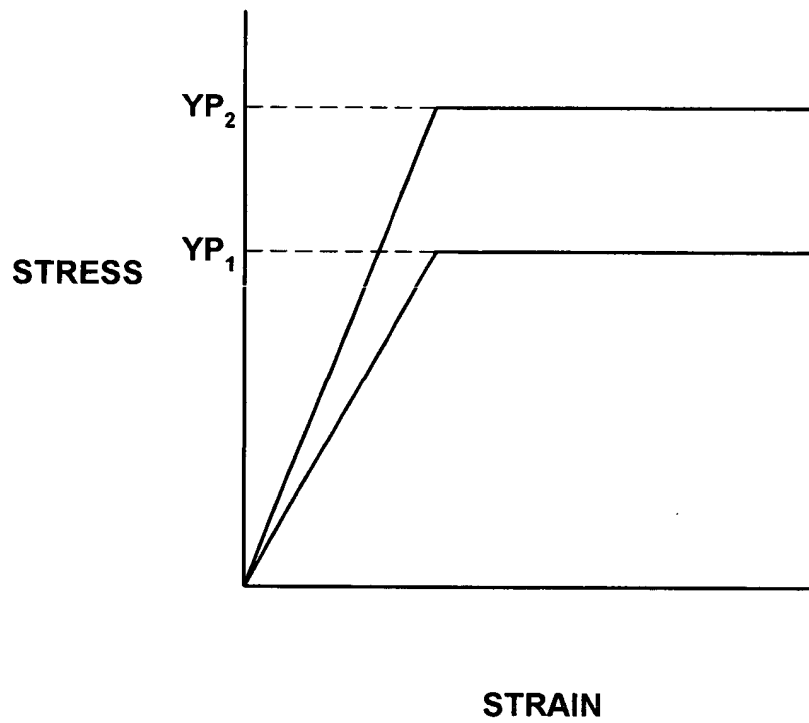


FIG. 12

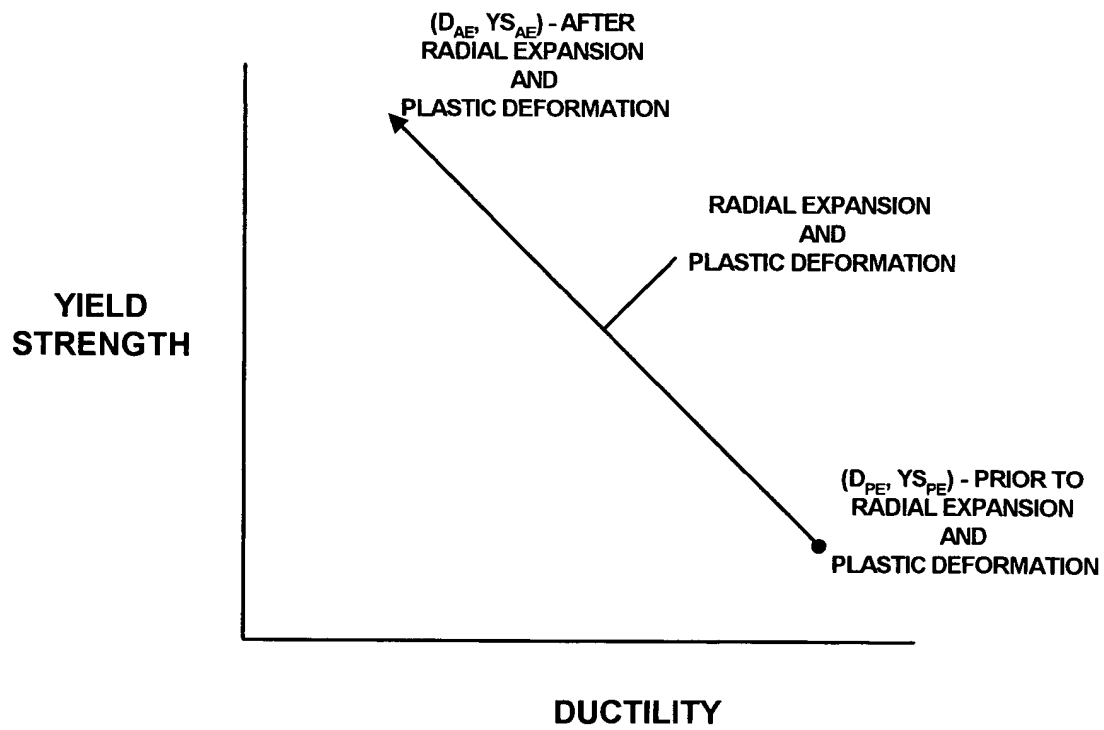


FIG. 13

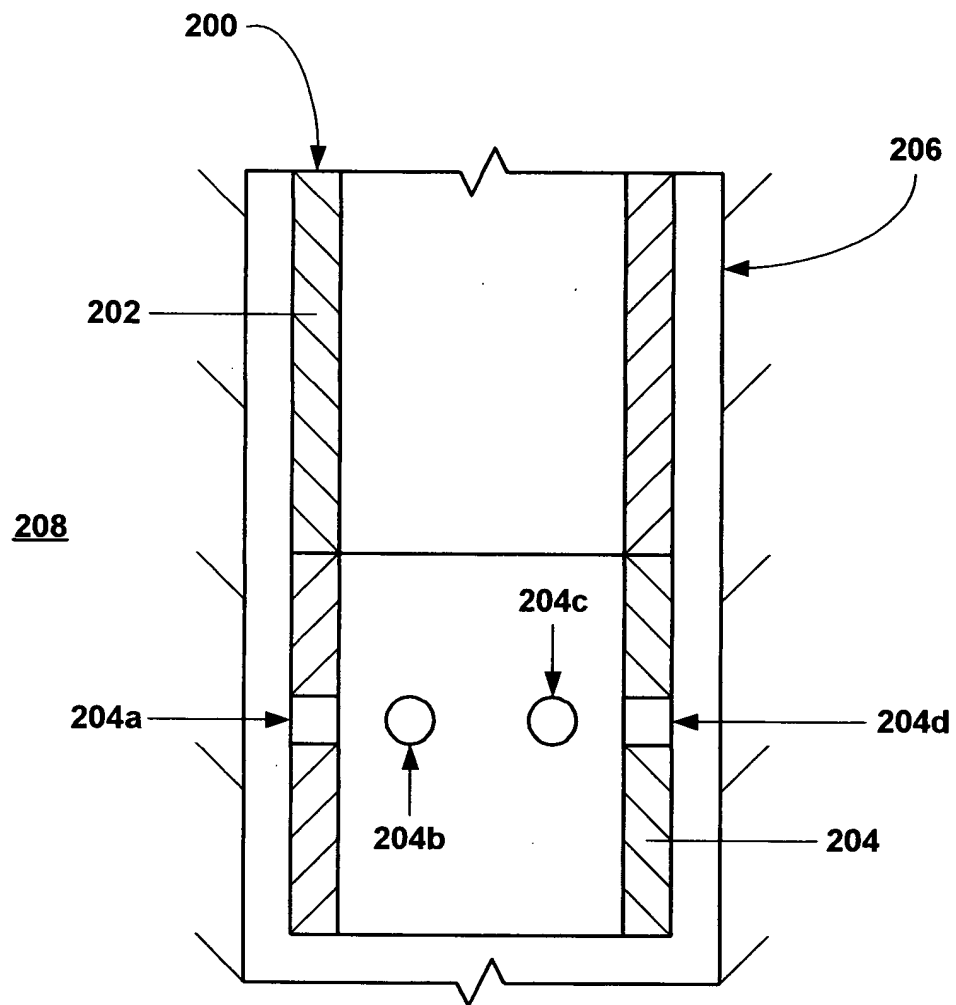


FIG. 14

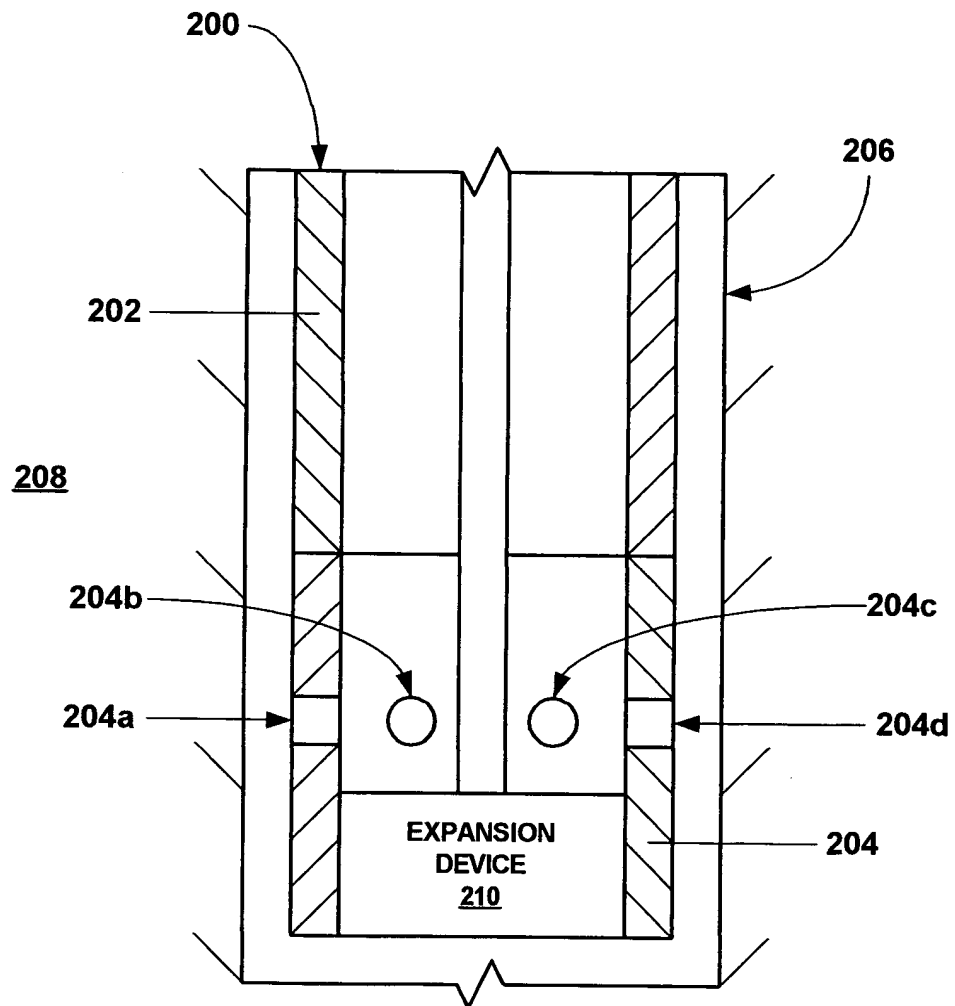


FIG. 15

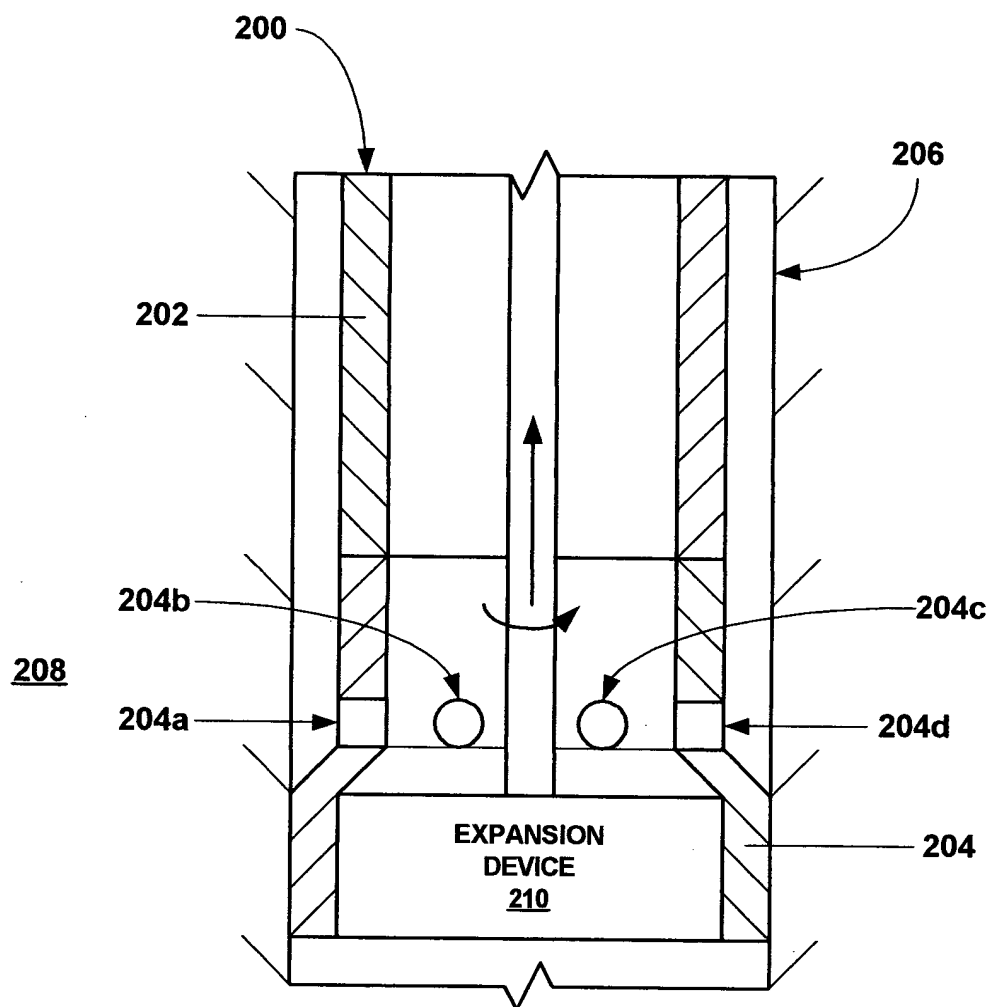


FIG. 16

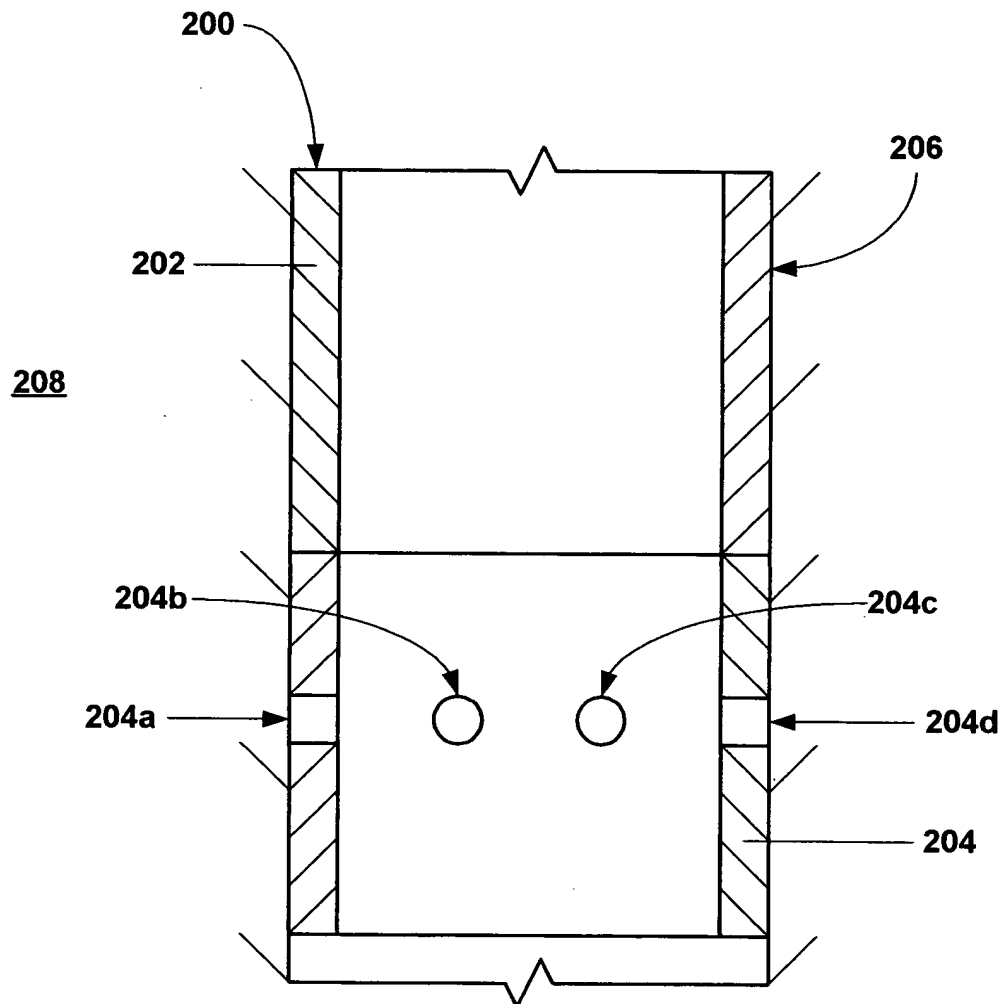


FIG. 17

300

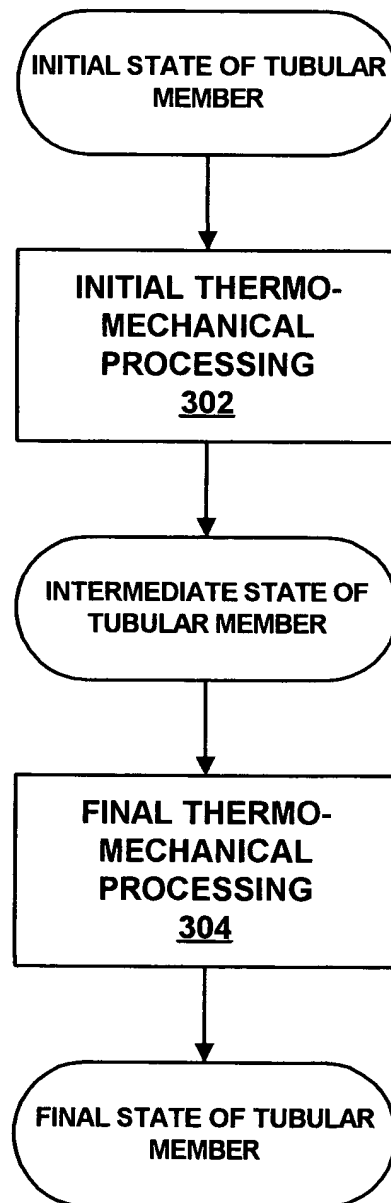


Fig. 18

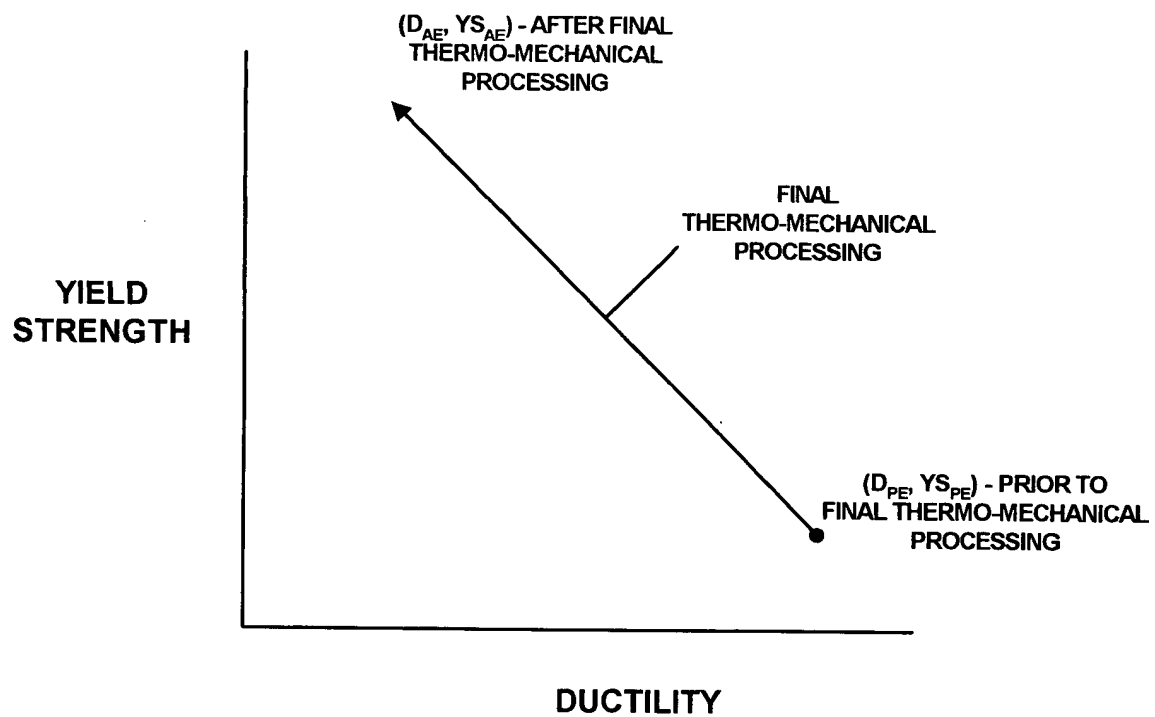


FIG. 19

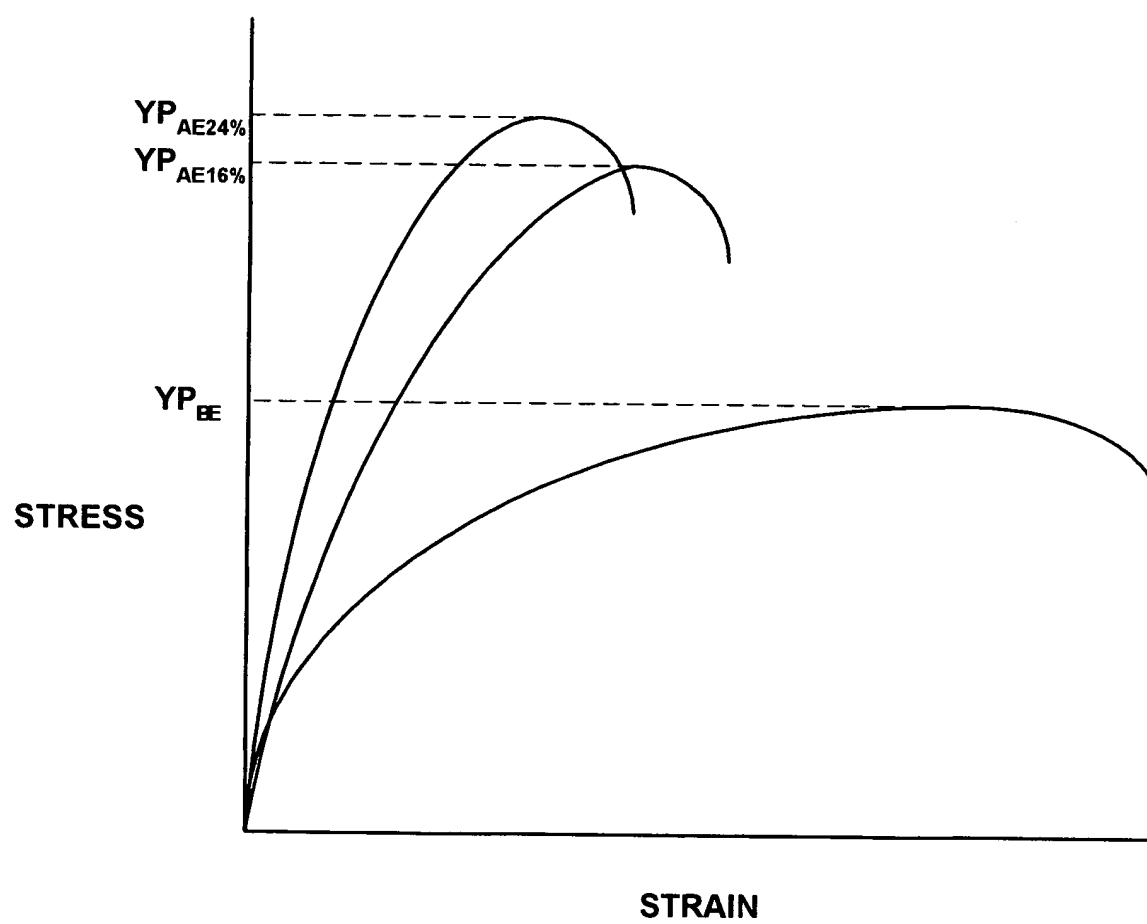


FIG. 20

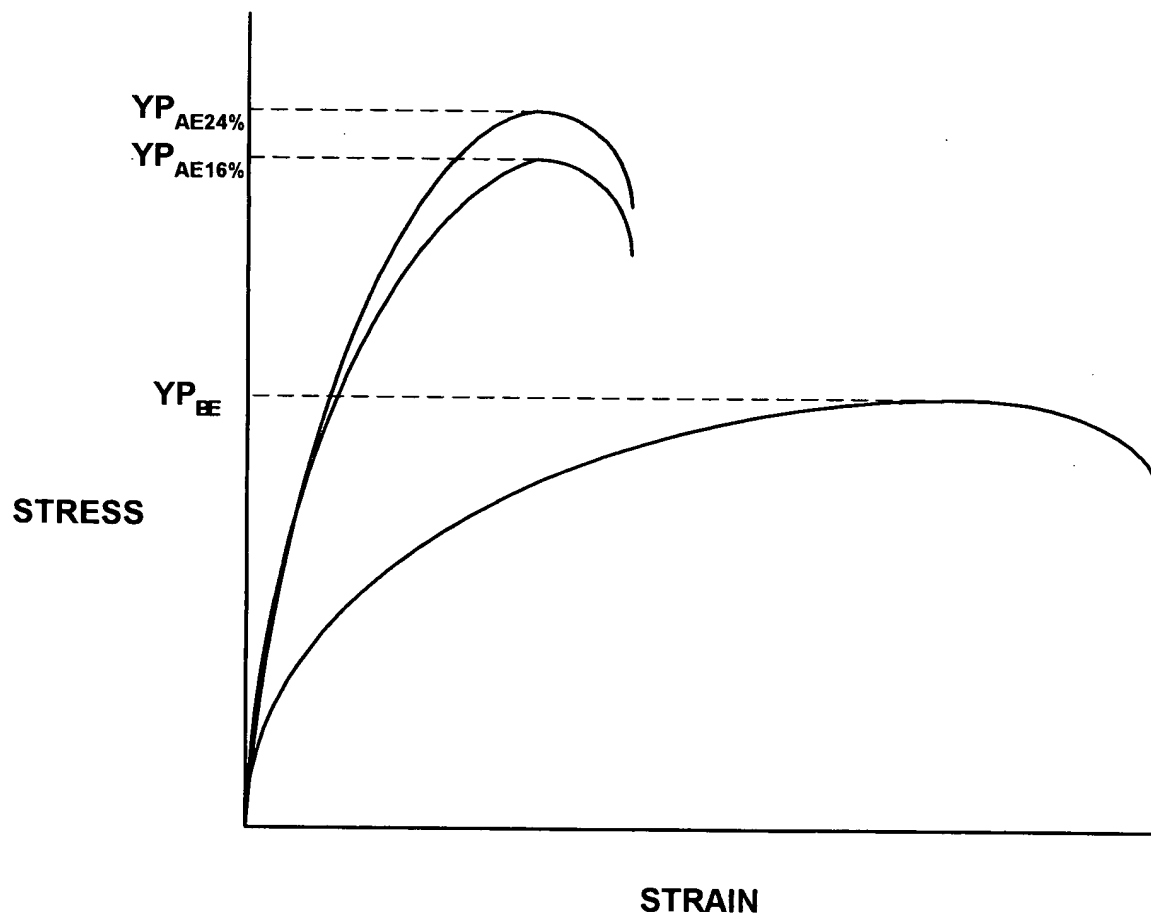


FIG. 21

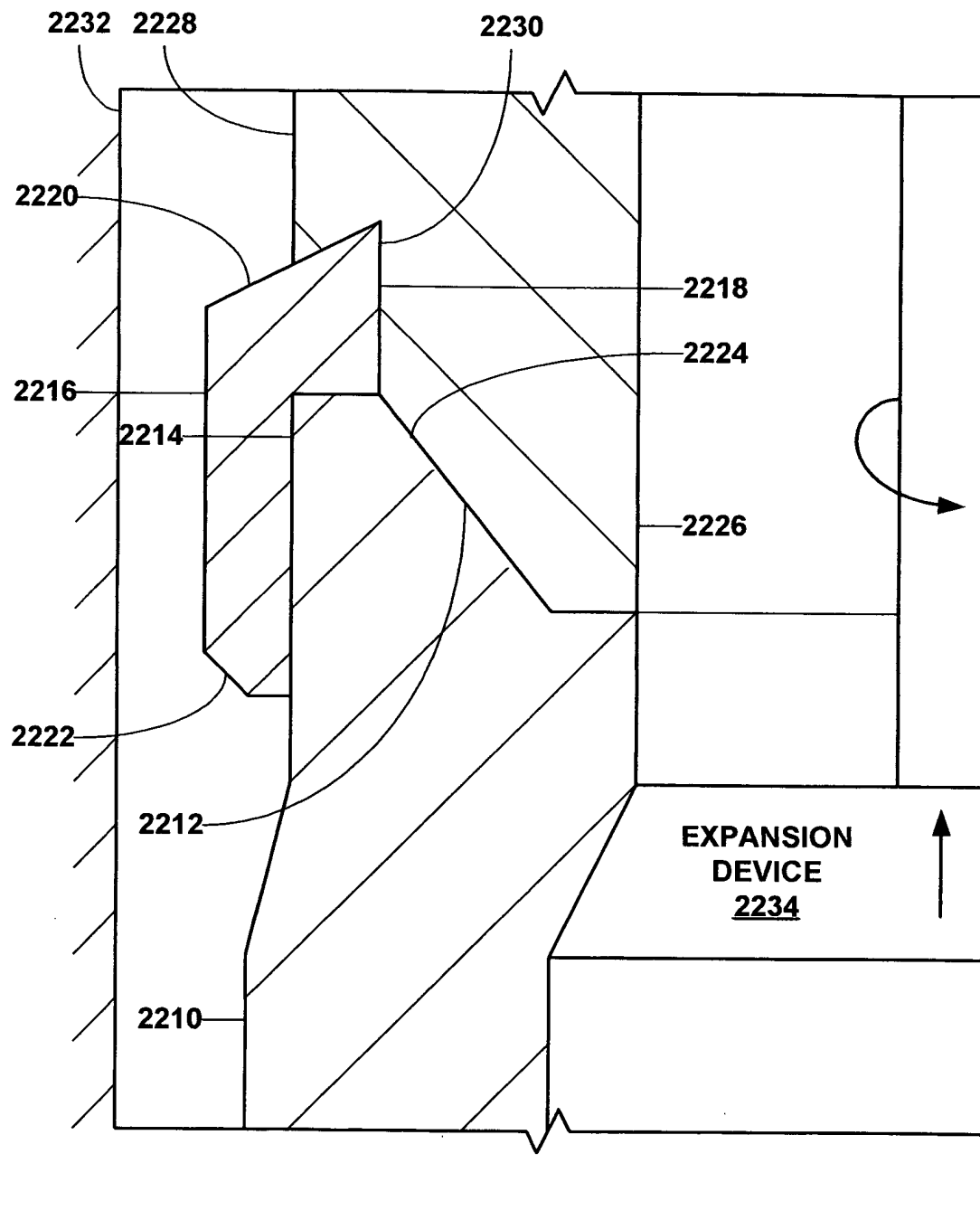


FIG. 22

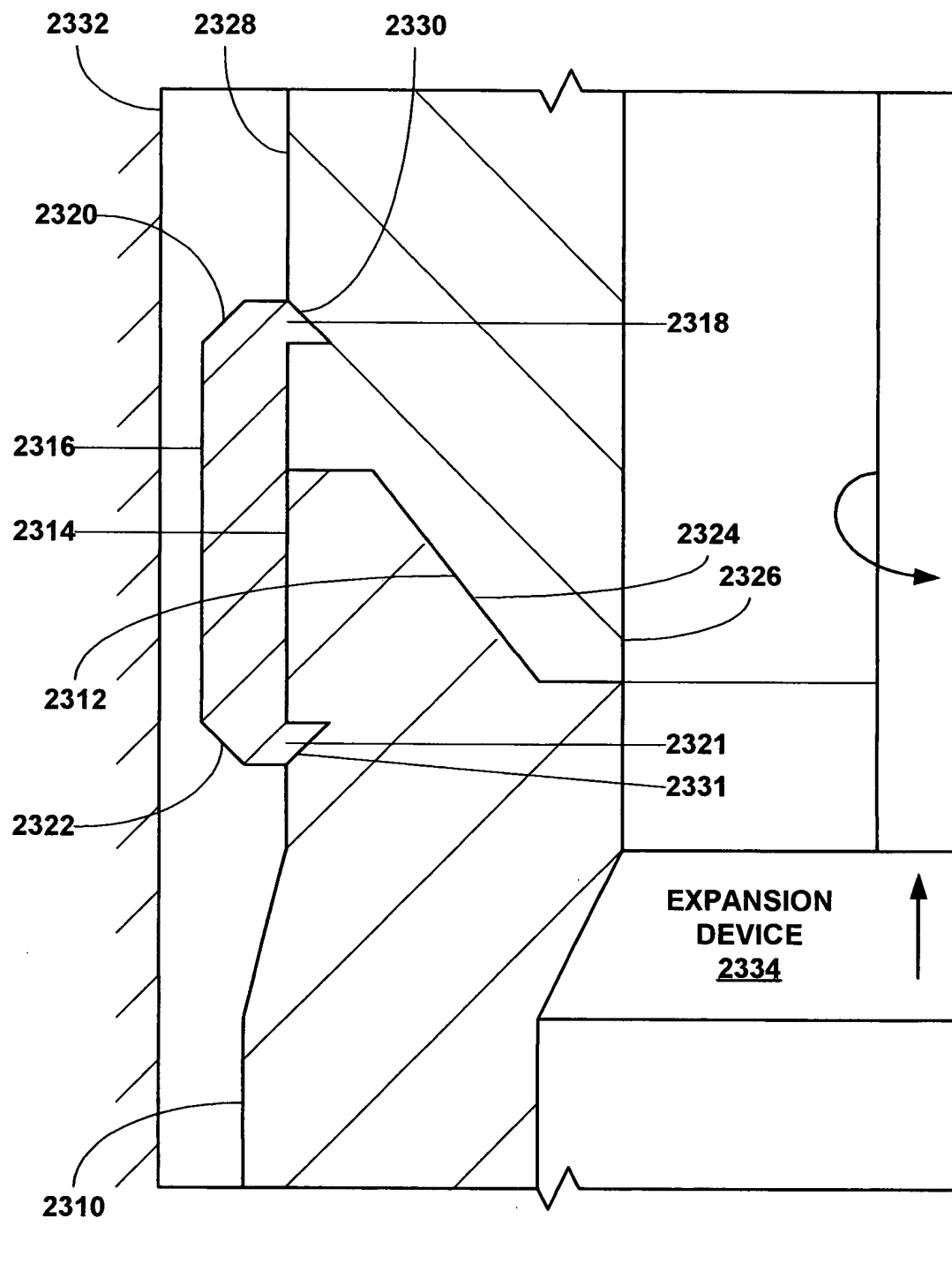


FIG. 23

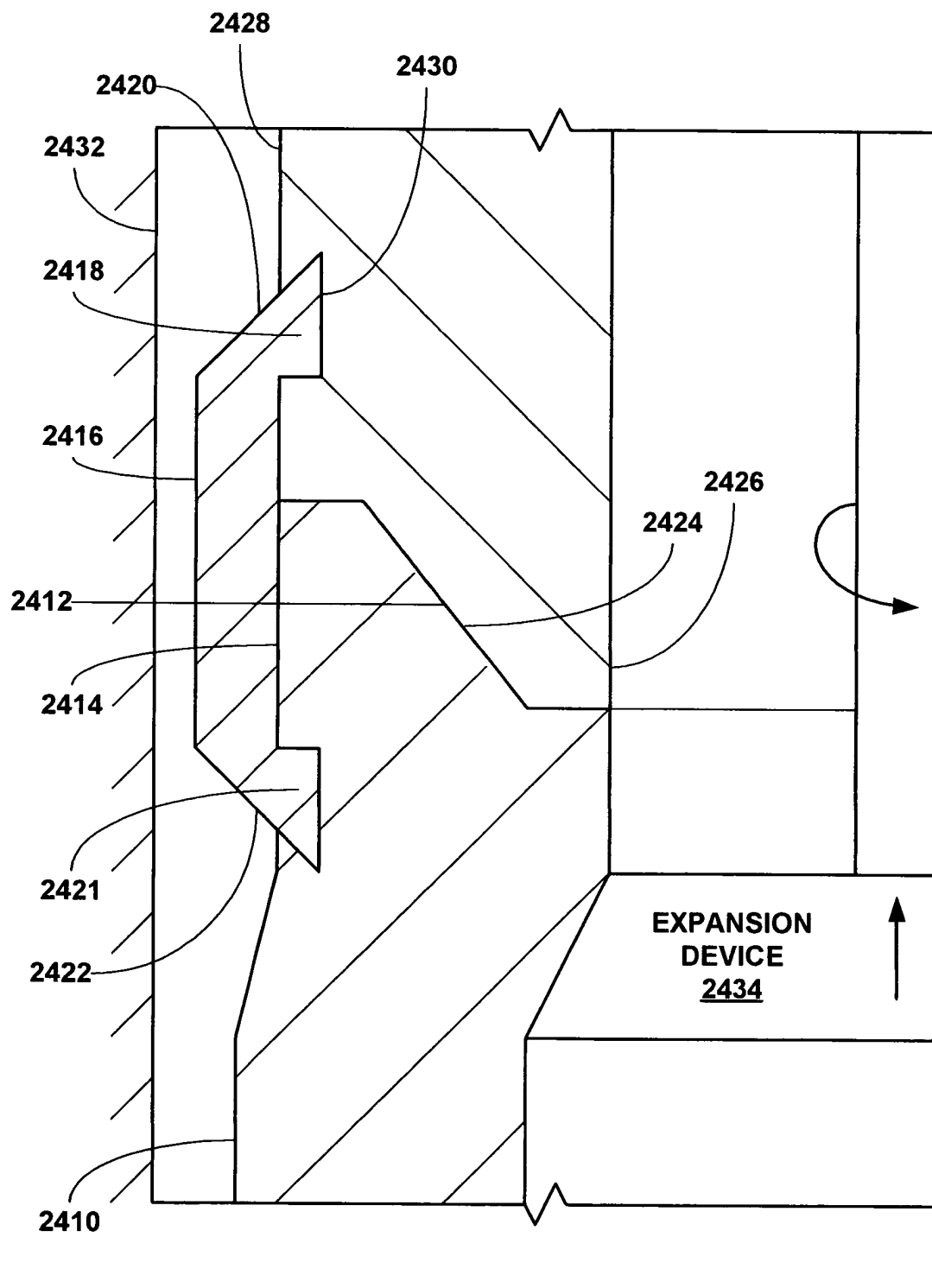


FIG. 24

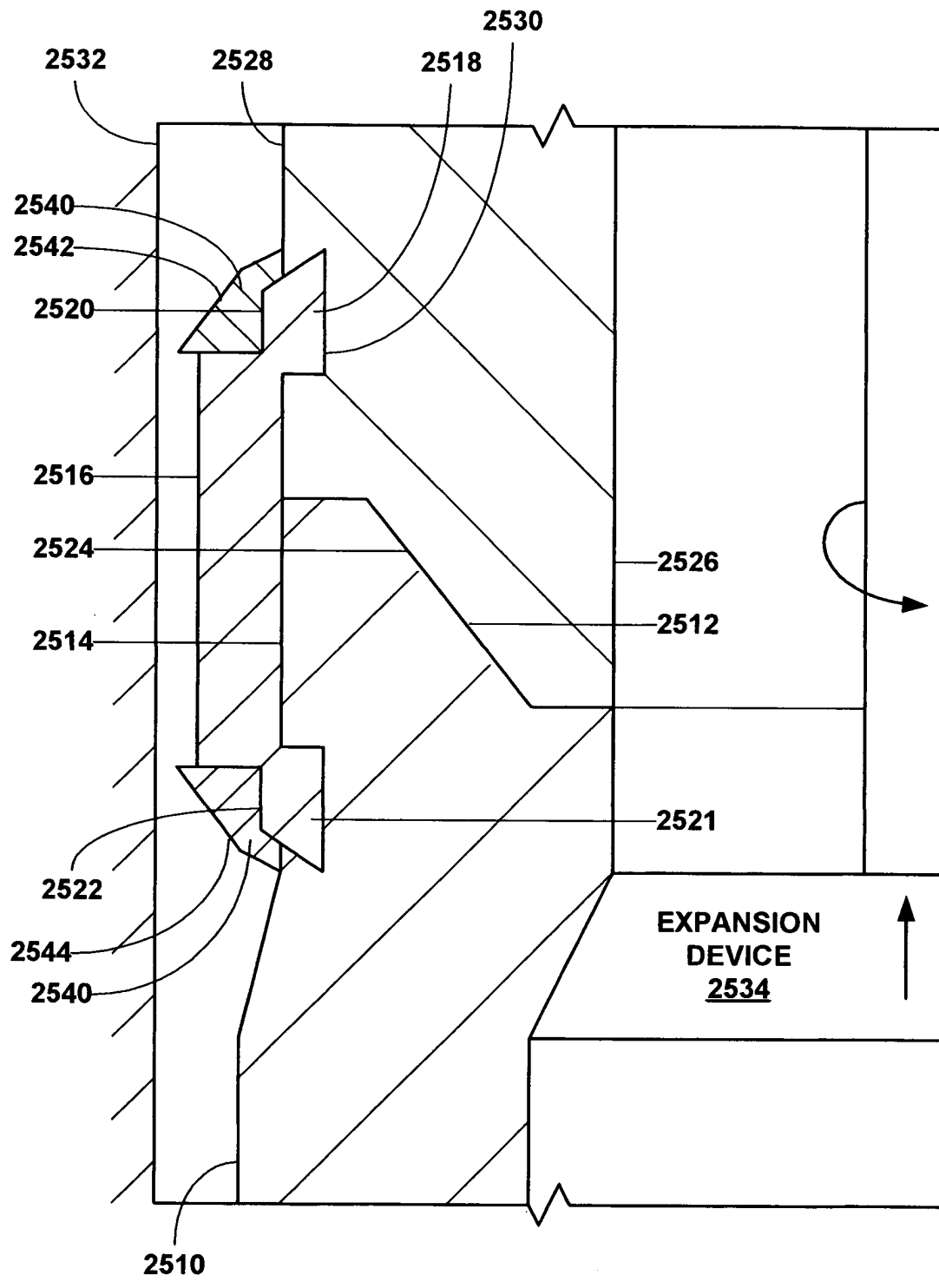


FIG. 25

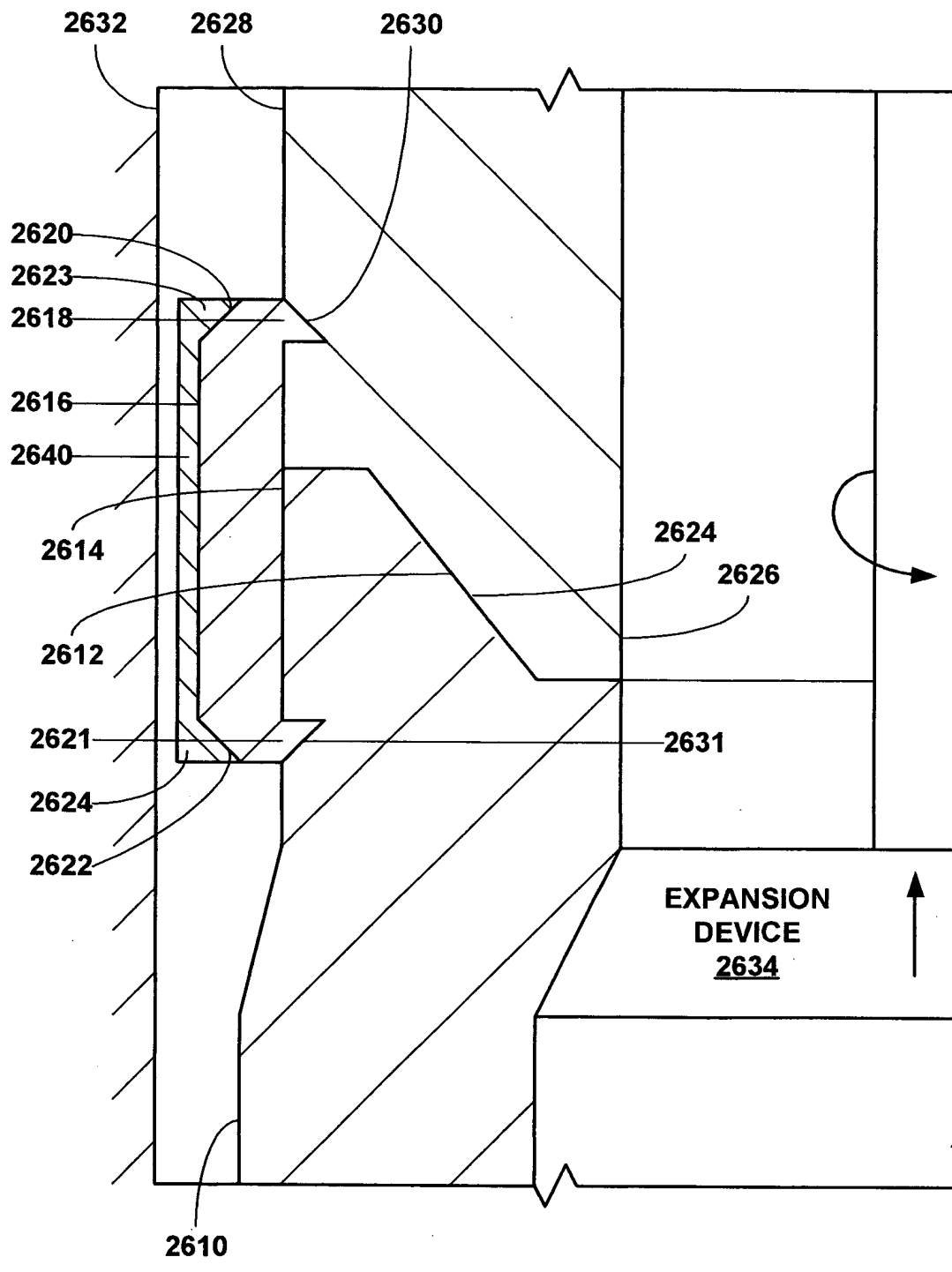


FIG. 26

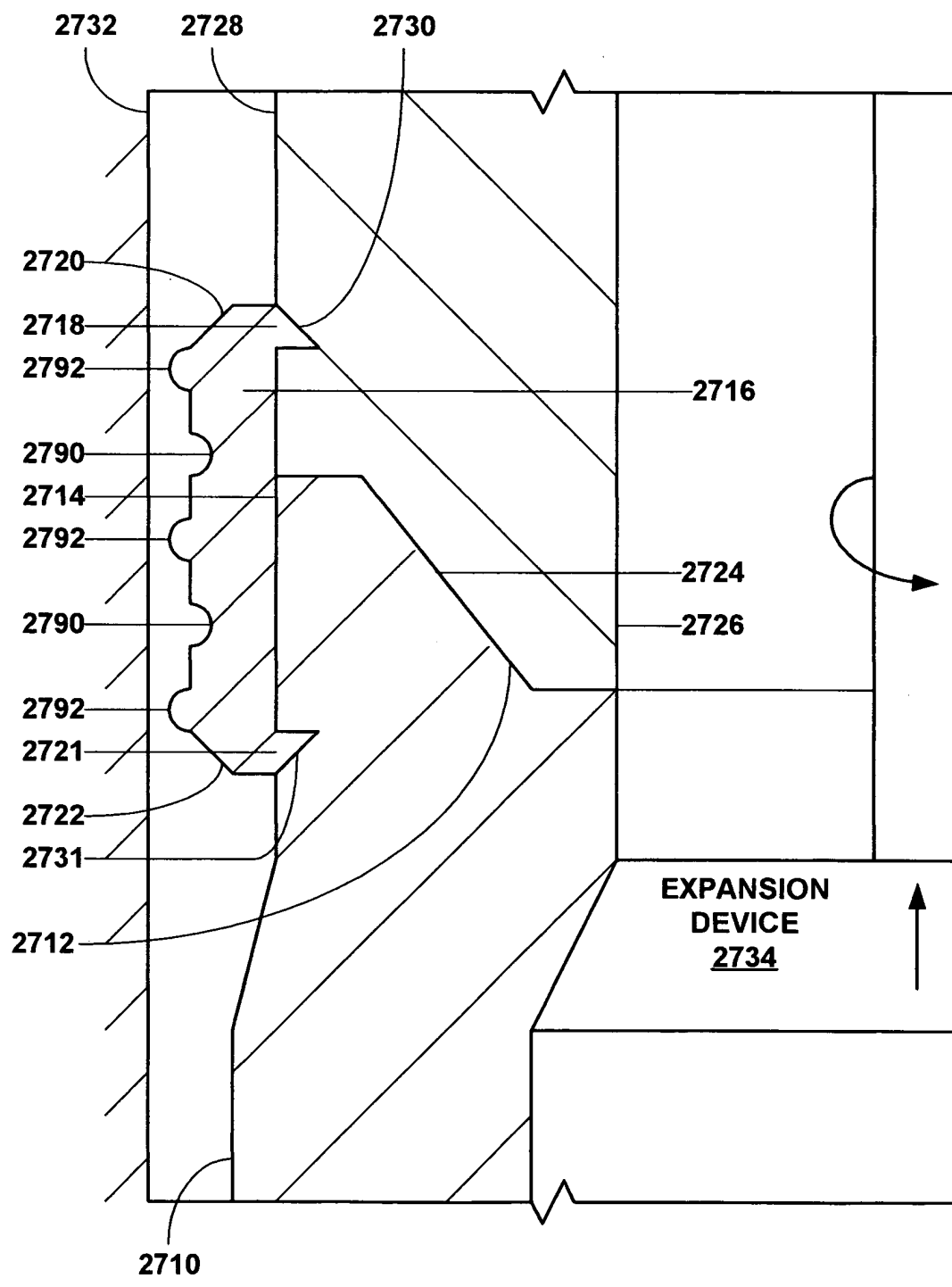


FIG. 27

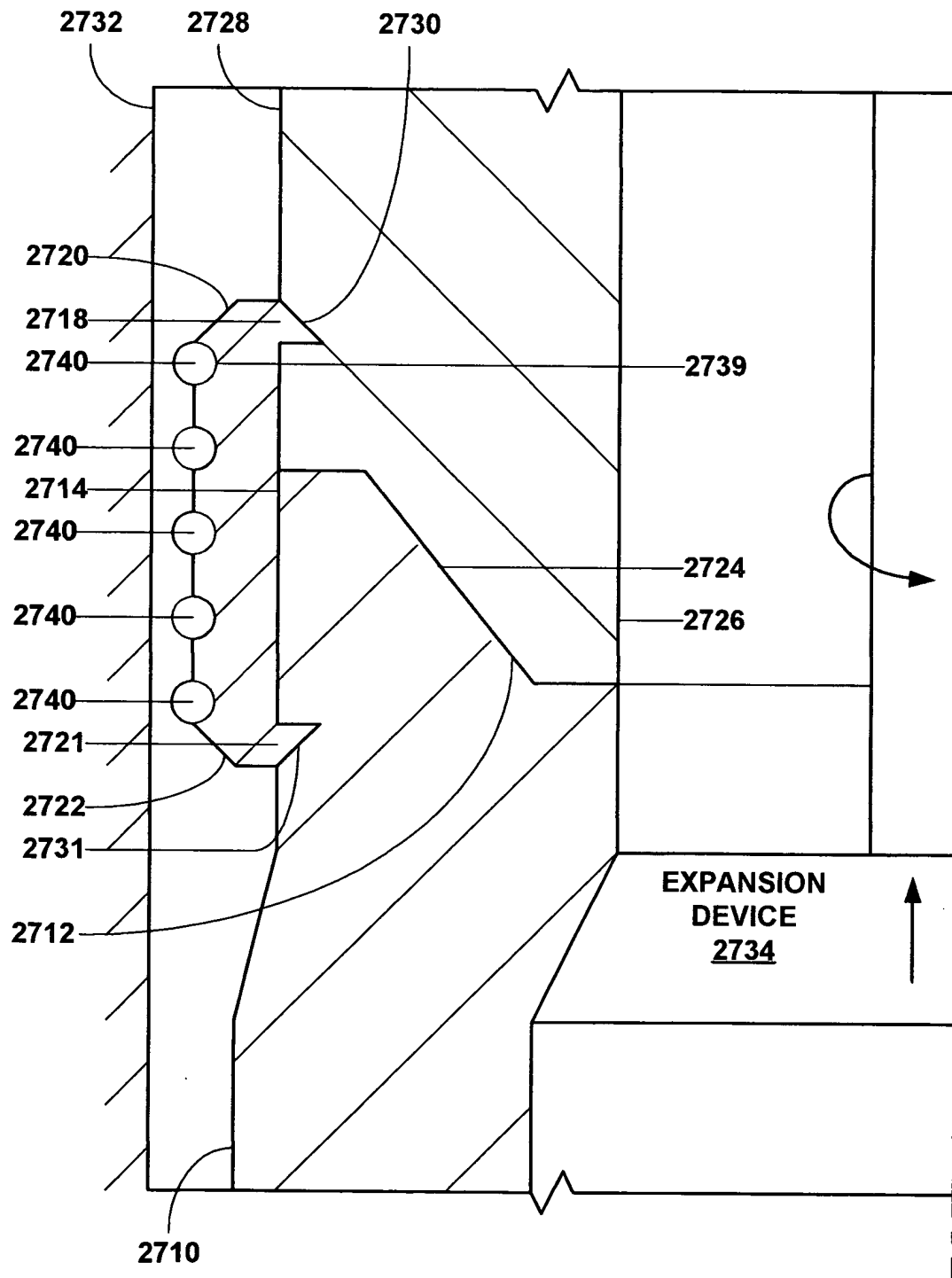


FIG. 28

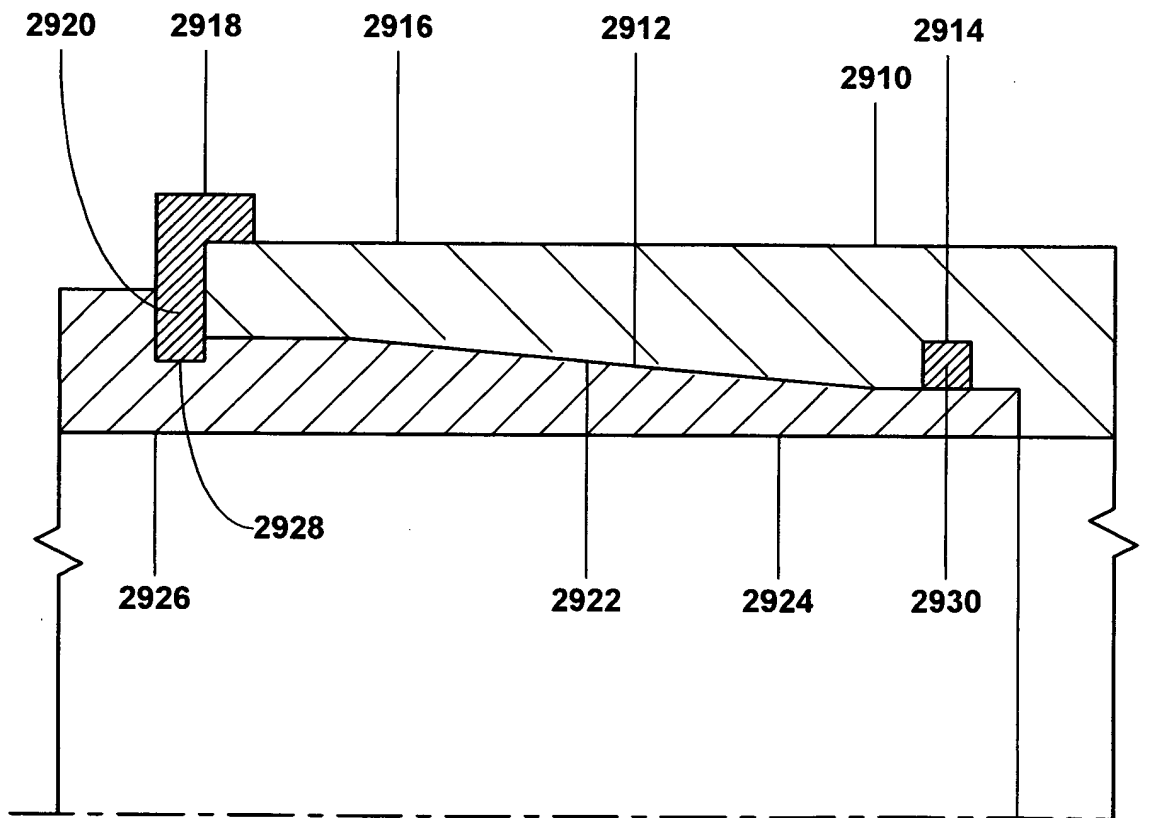


FIG. 29





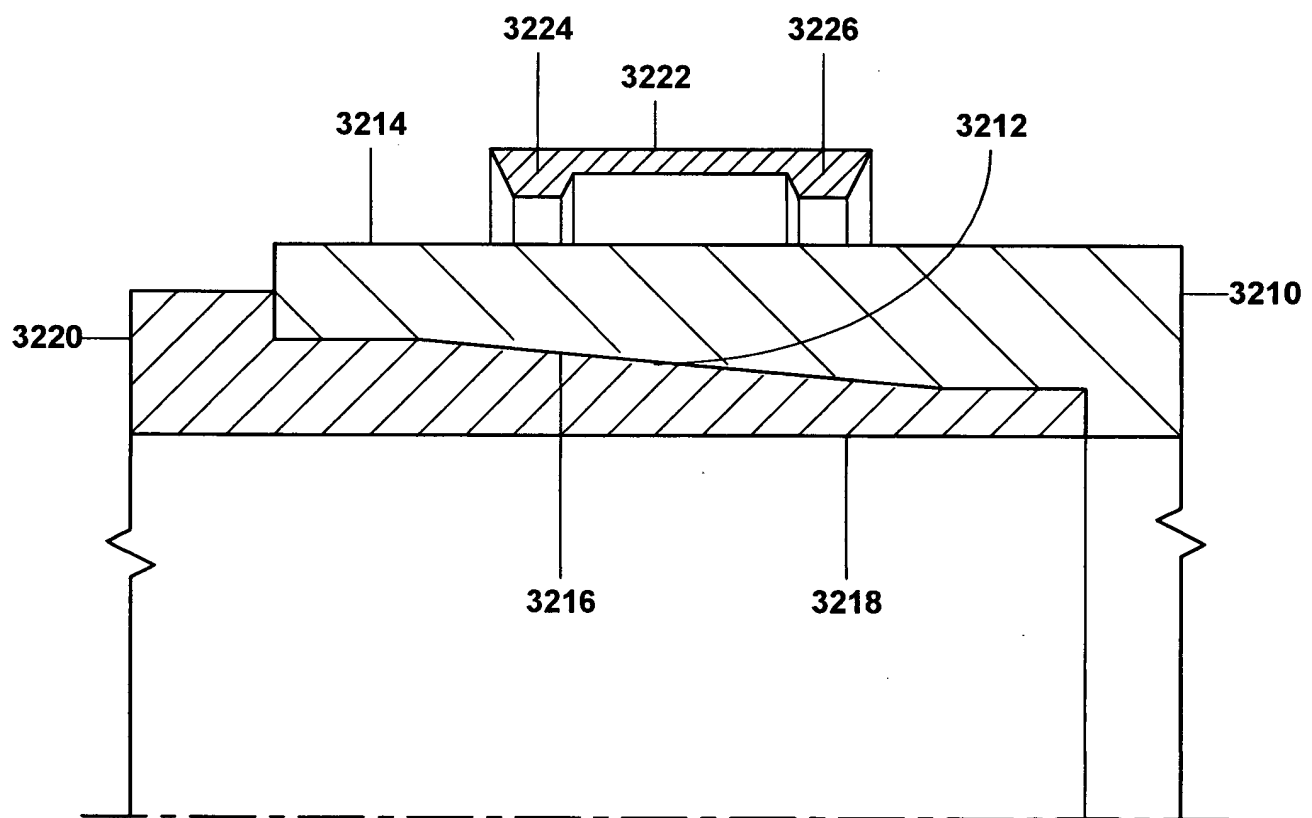


FIG. 32a

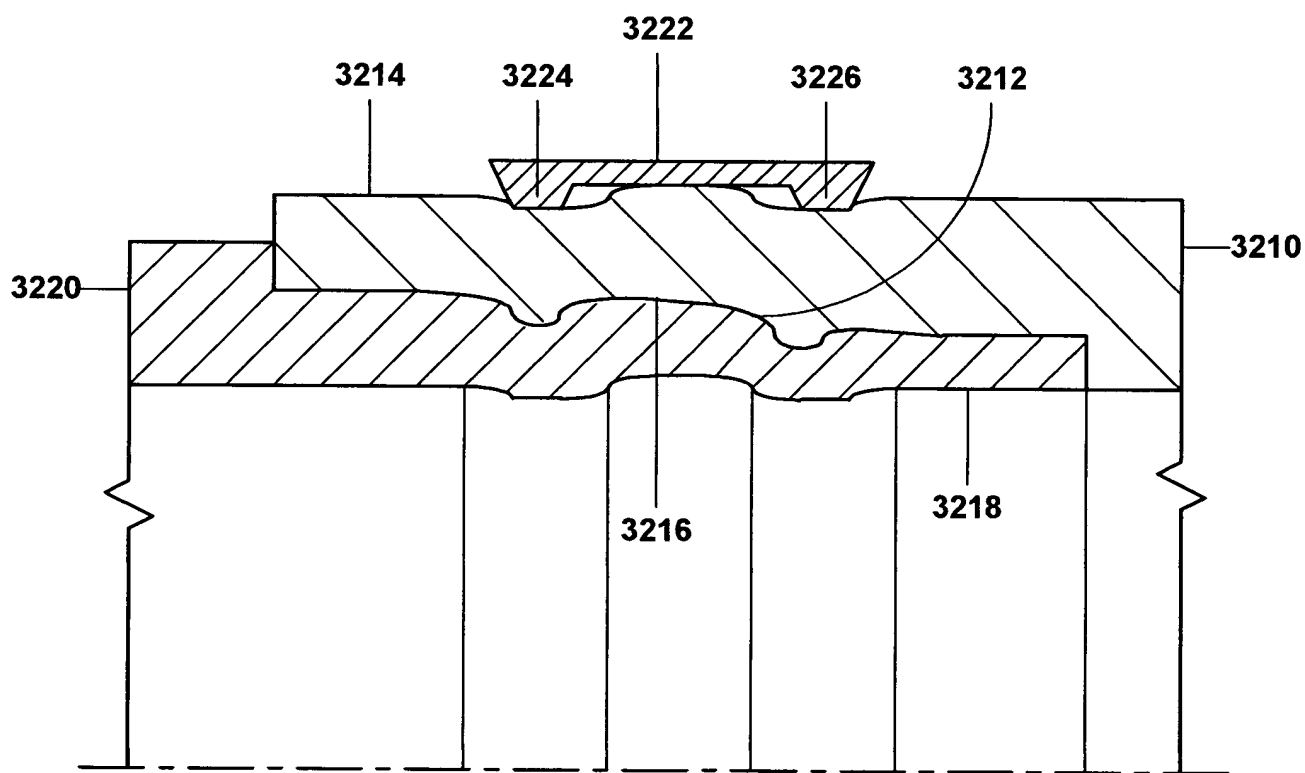


FIG. 32b

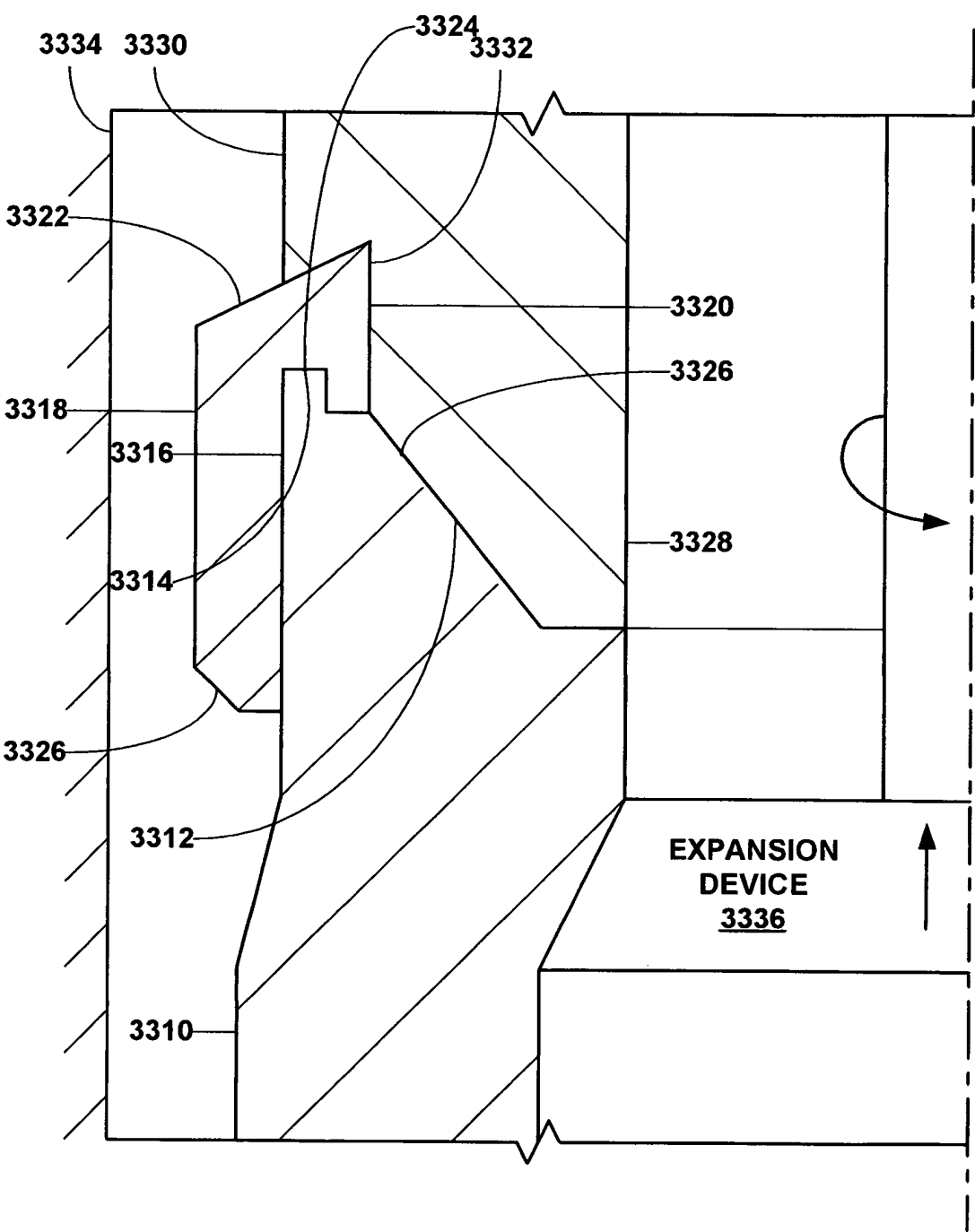


FIG. 33

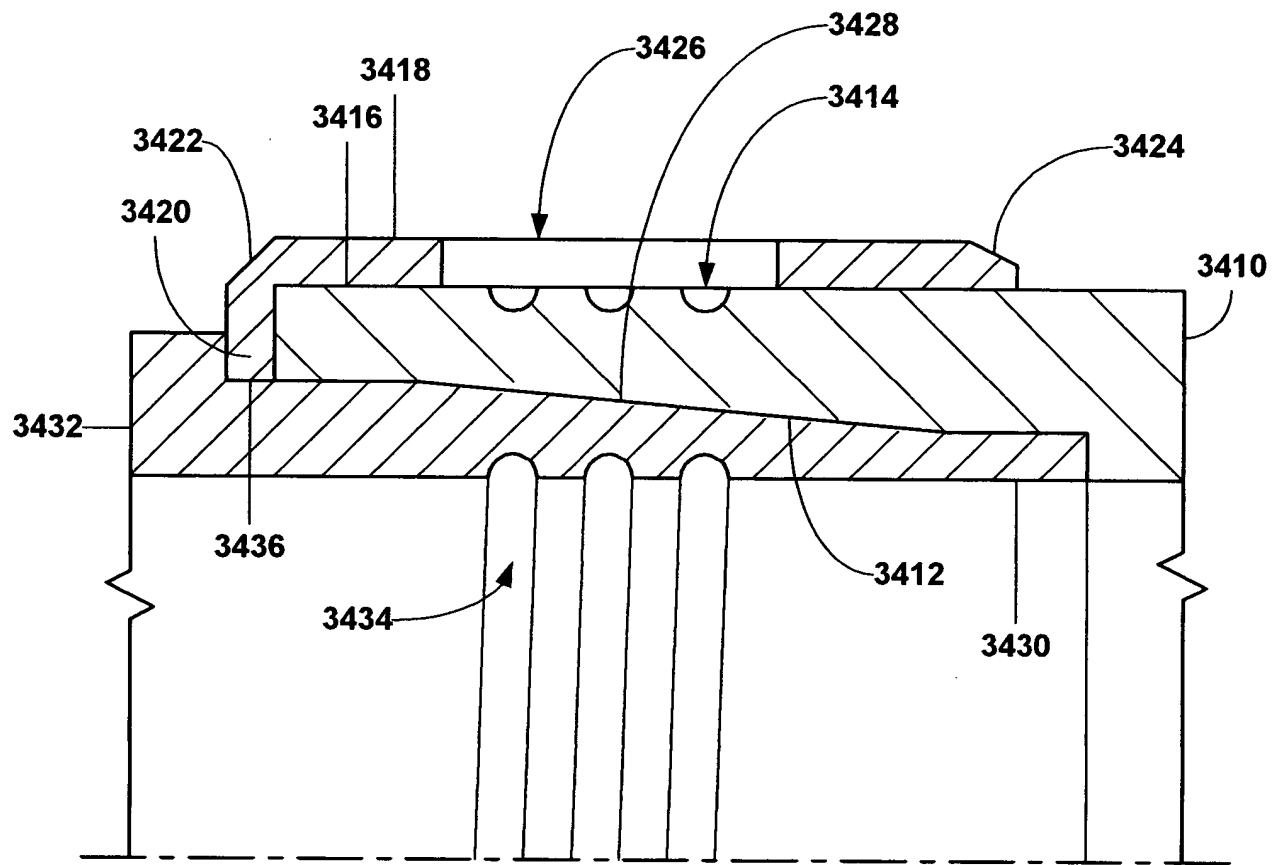
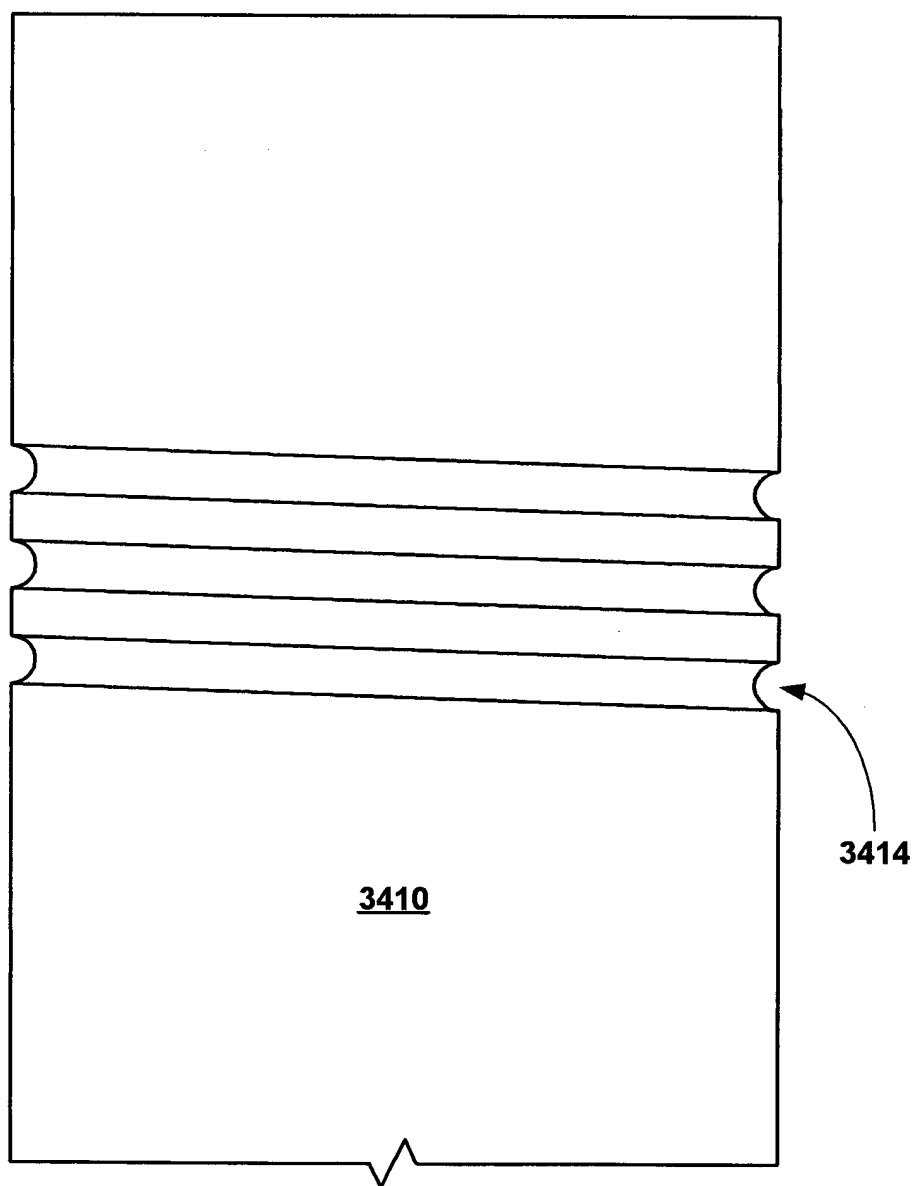


FIG. 34a

**Fig. 34b**

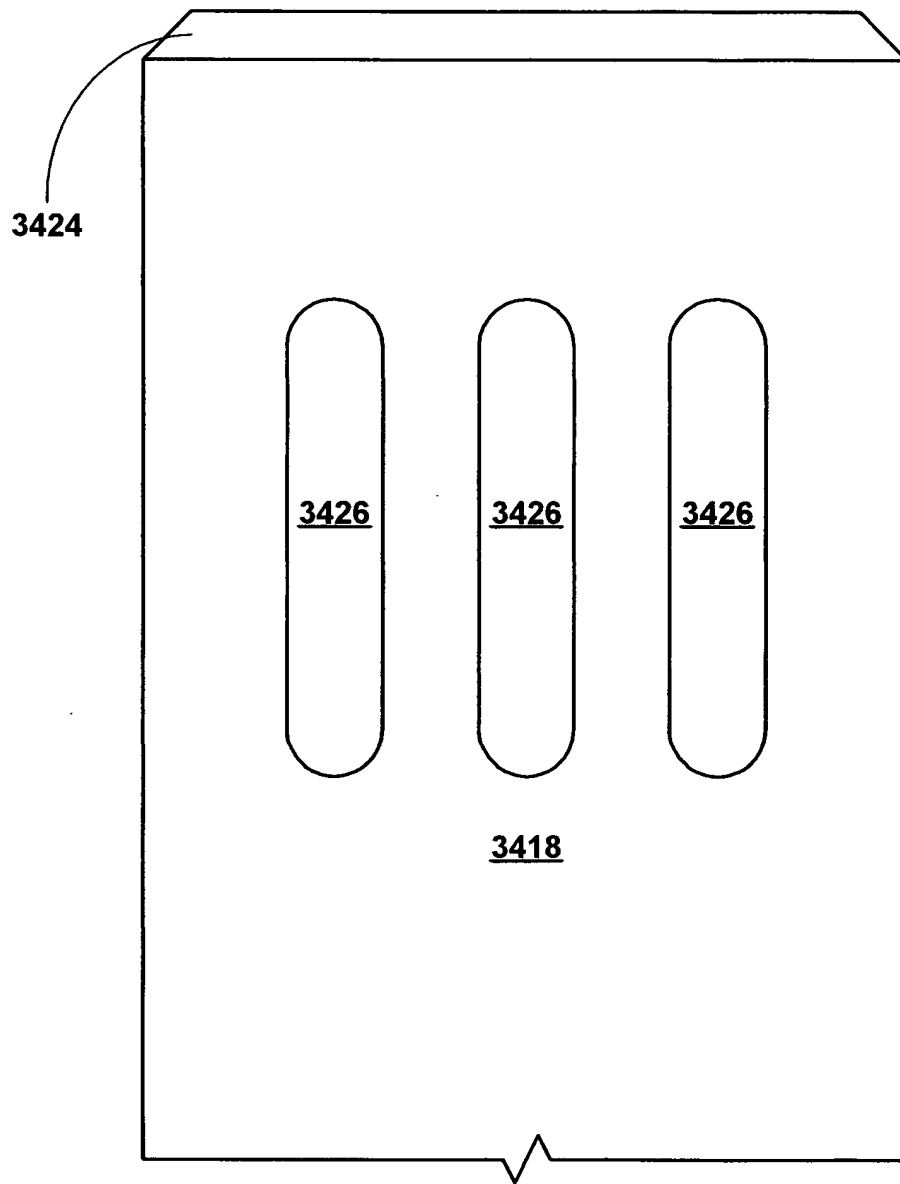


Fig. 34c

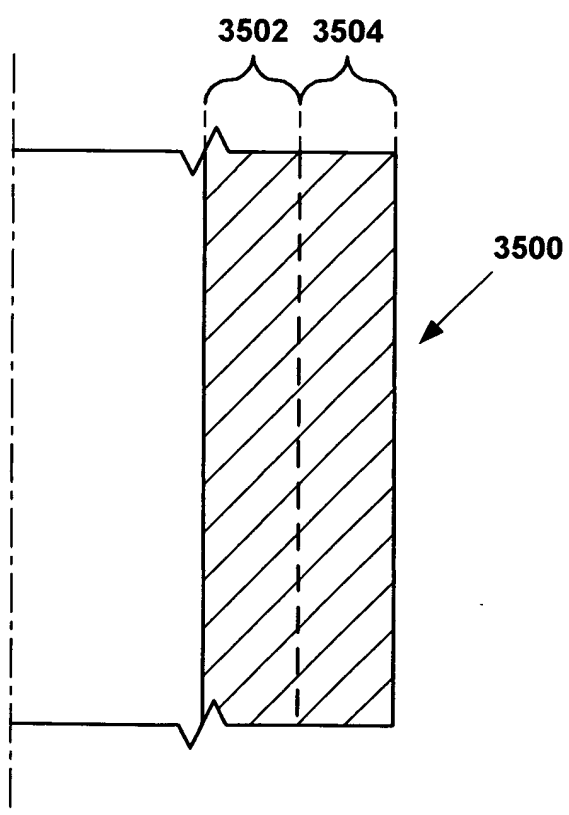


FIG. 35a

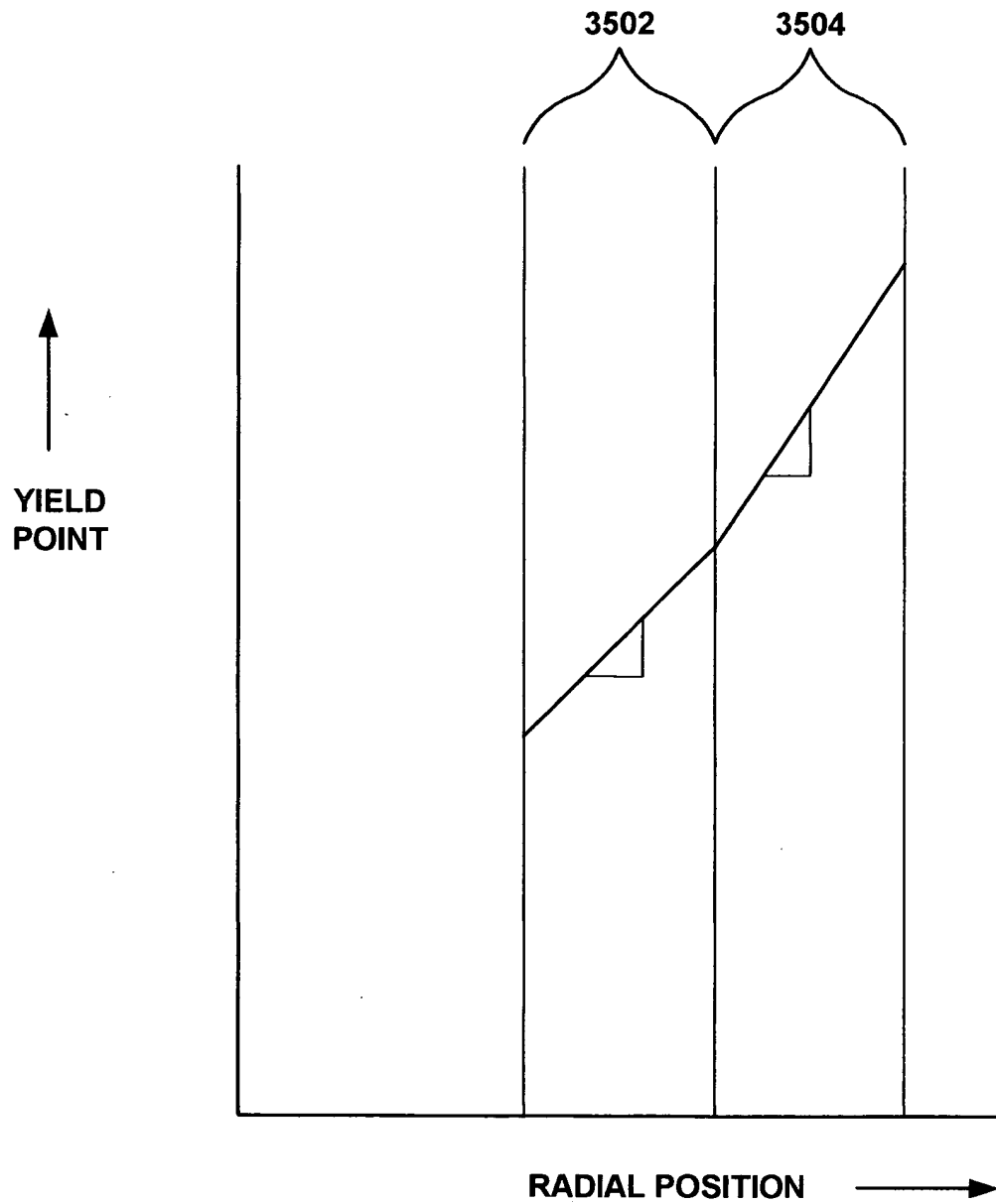


FIG. 35b

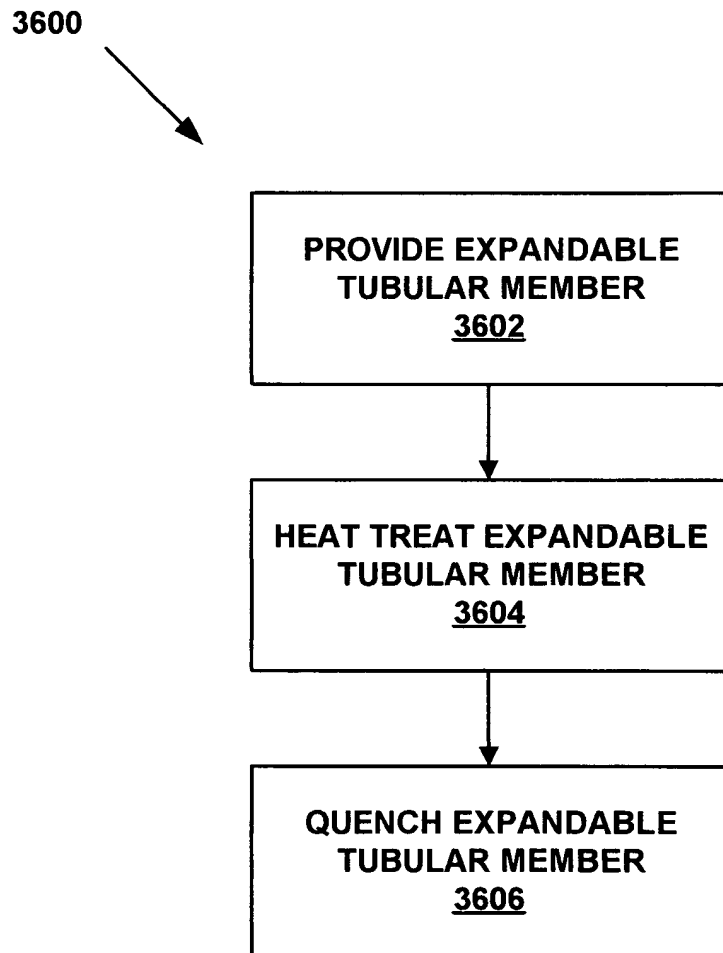


FIG. 36a

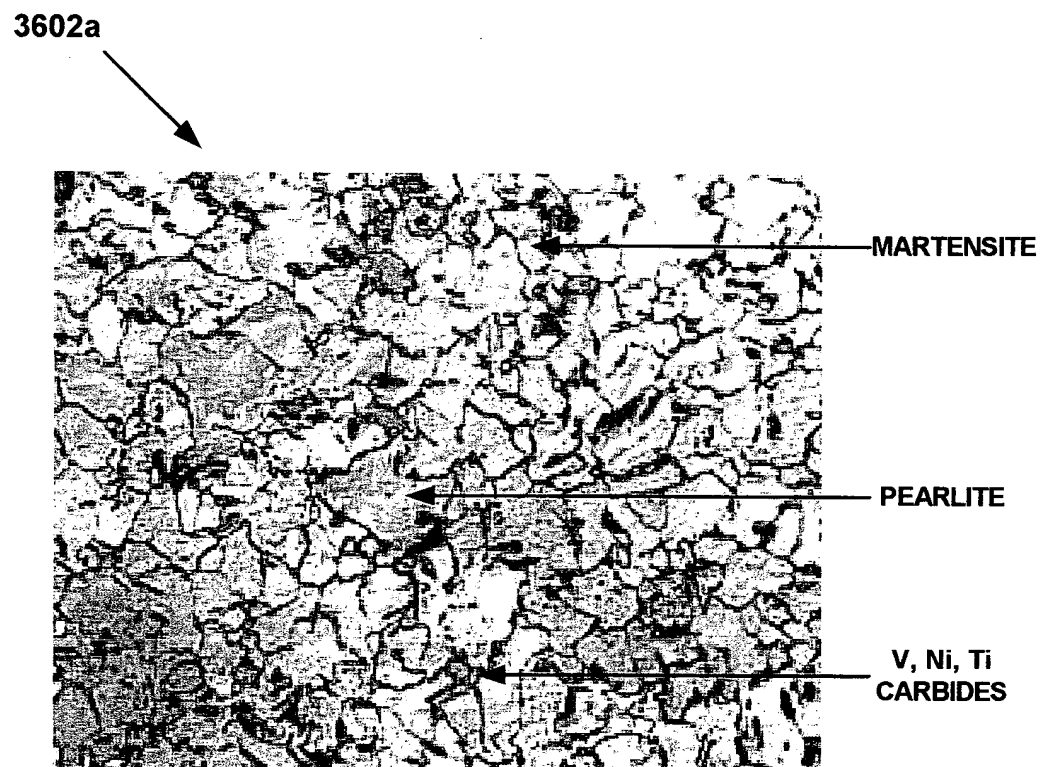


Fig. 36b

3602a

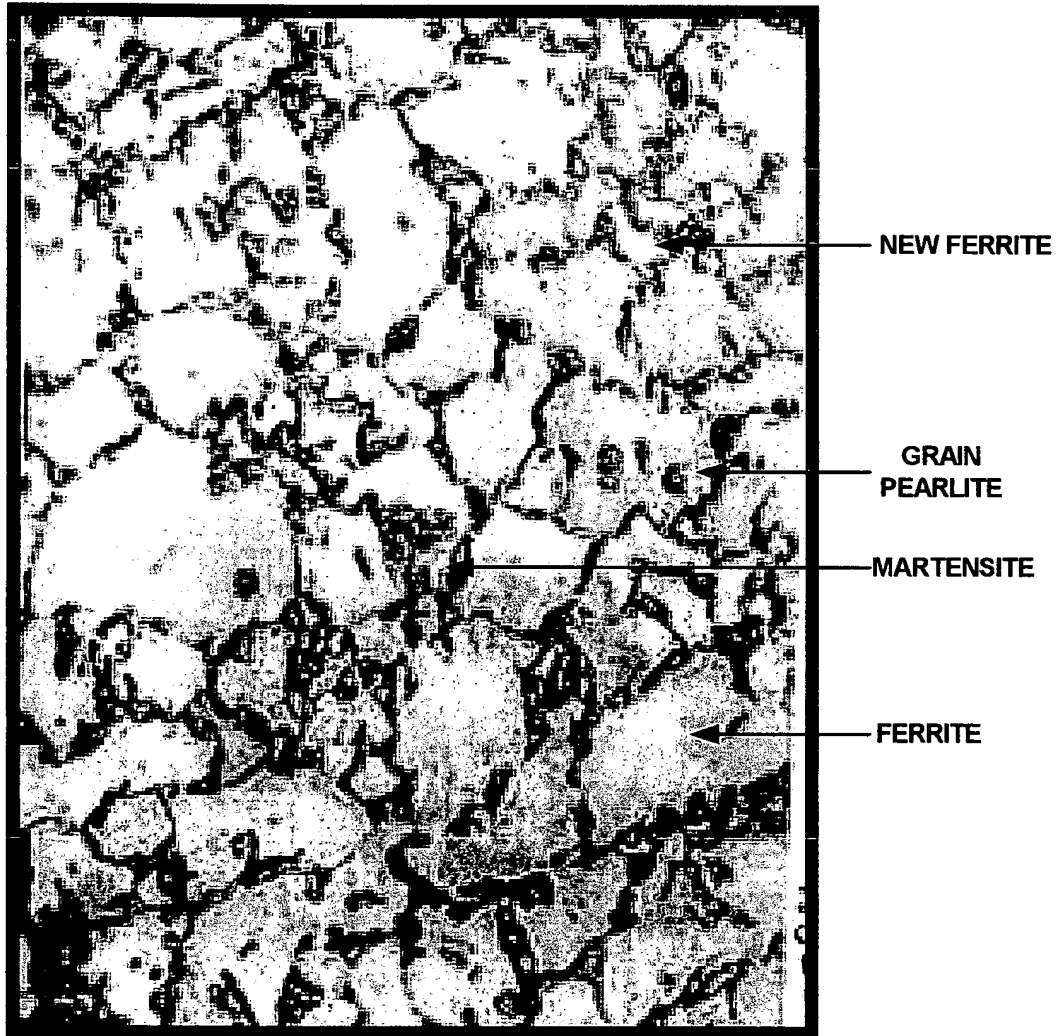


Fig. 36c

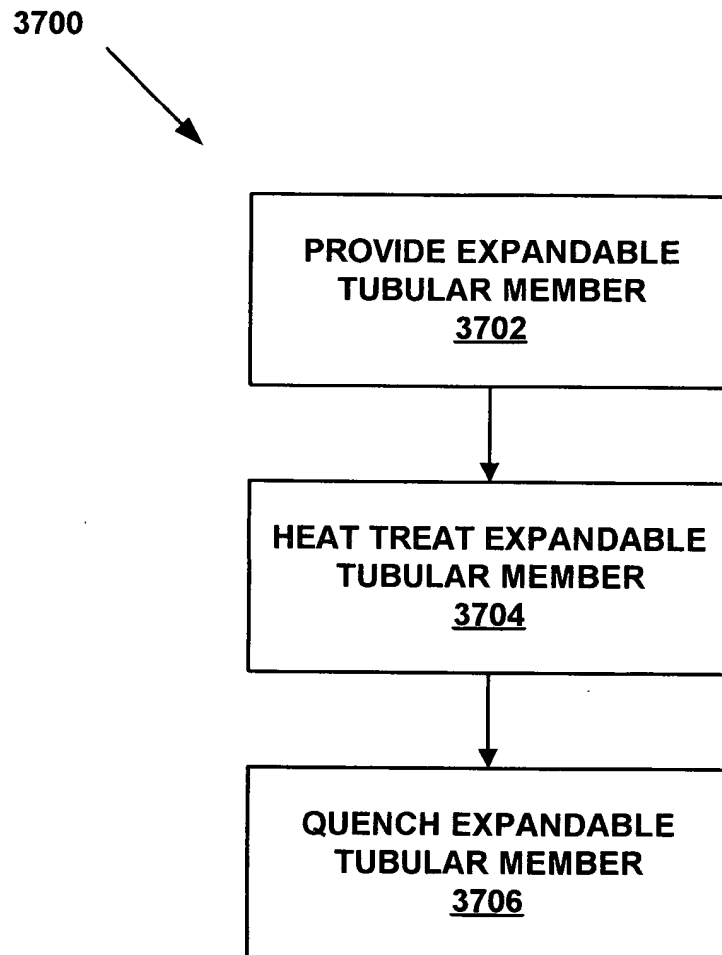


FIG. 37a

3702a



PEARLITE

PEARLITE  
STRIATION

**Fig. 37b**

3702a

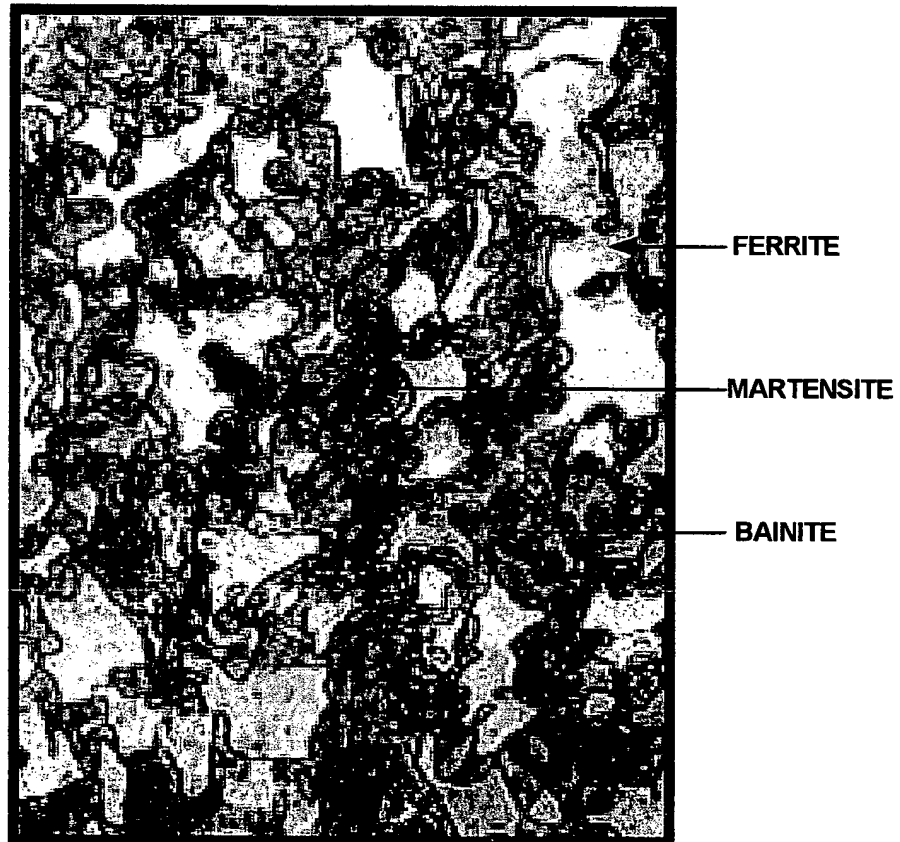


Fig. 37c

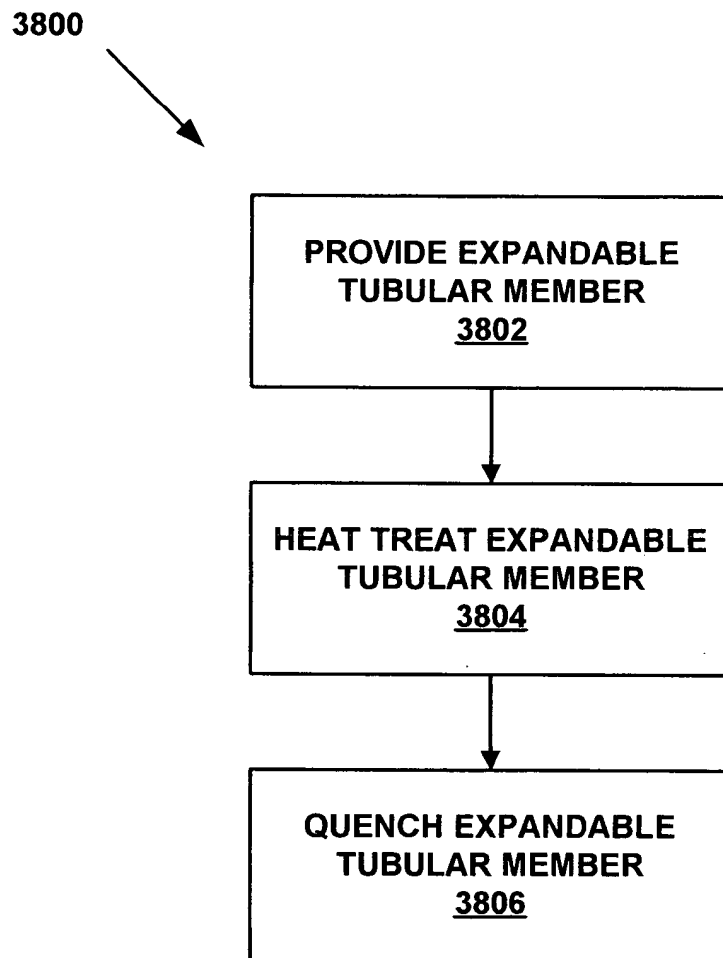
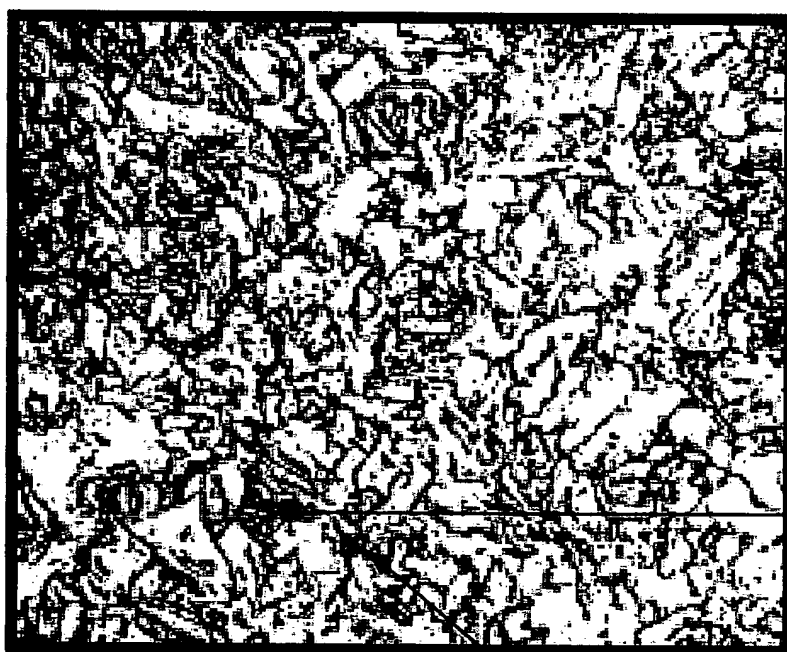


FIG. 38a

3802a



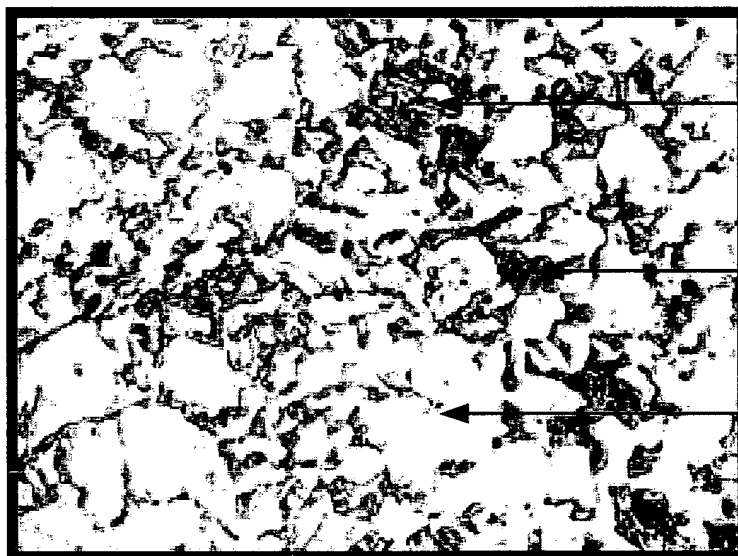
GRAIN PEARLITE

WIDMANSTATTEN  
MARTENSITE

V, Ni, and Ti CARBIDES

Fig. 38b

3802a

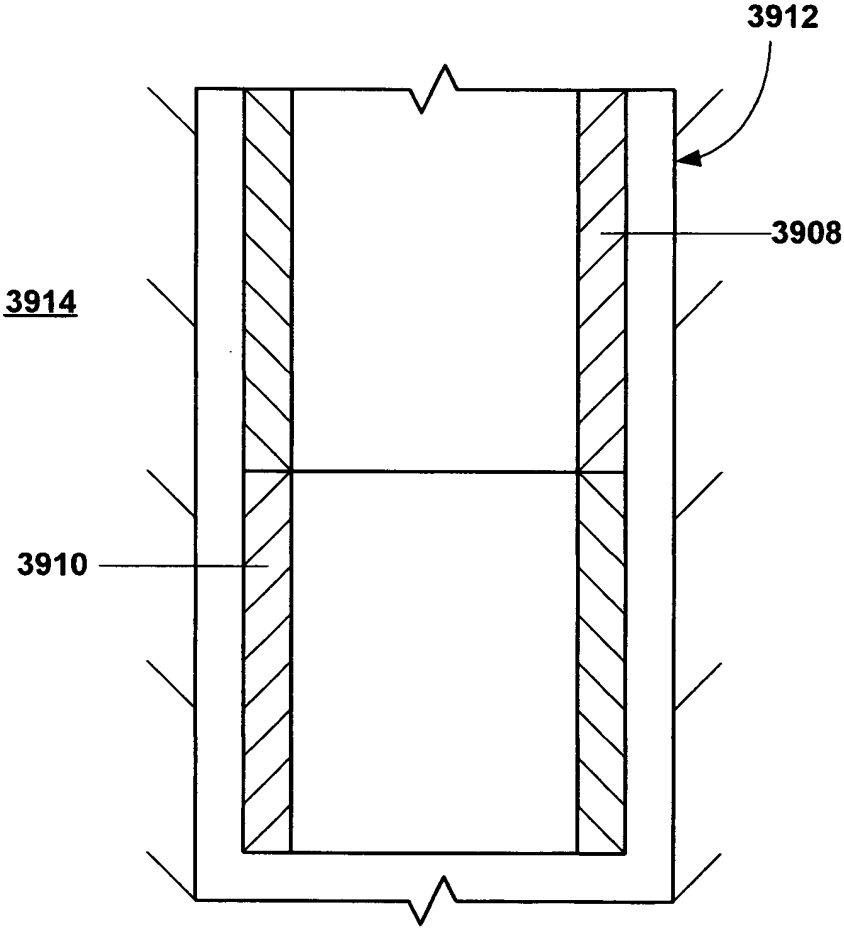


BAINITE

PEARLITE

NEW FERRITE

Fig. 38c



**FIG. 39a**

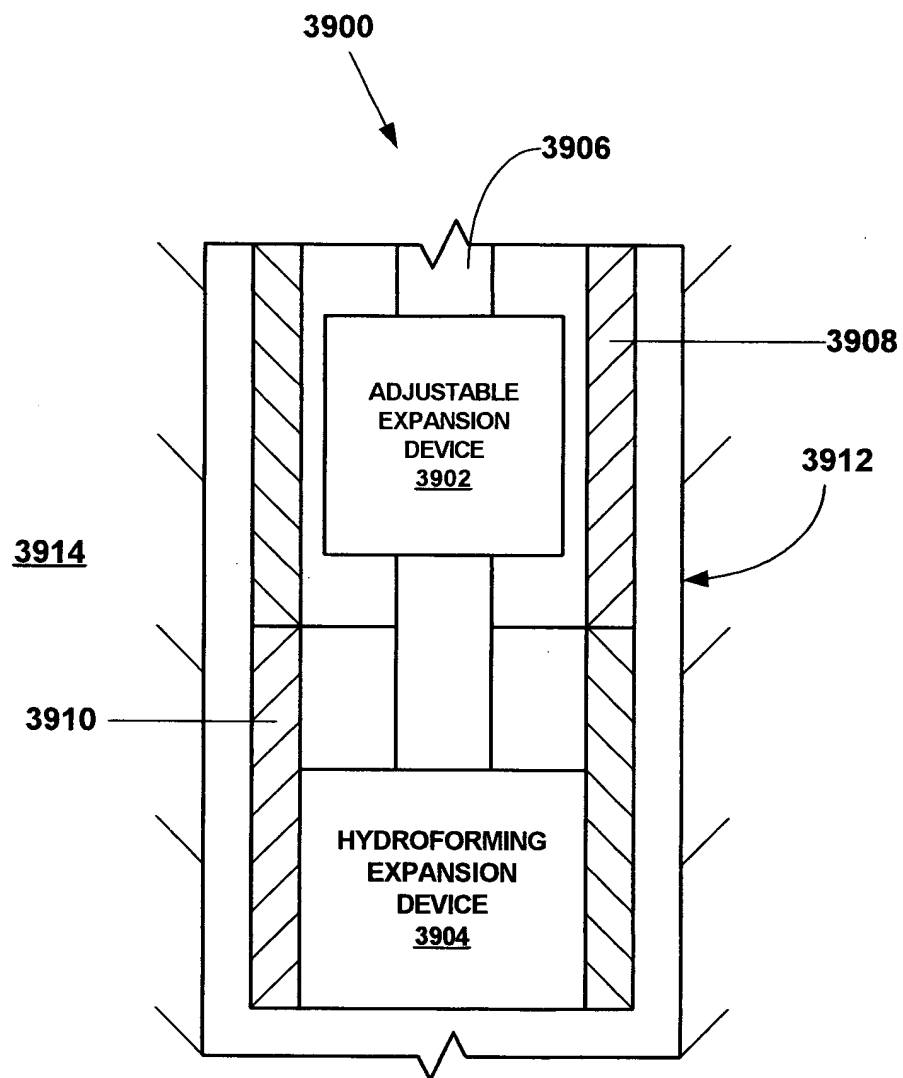


FIG. 39b

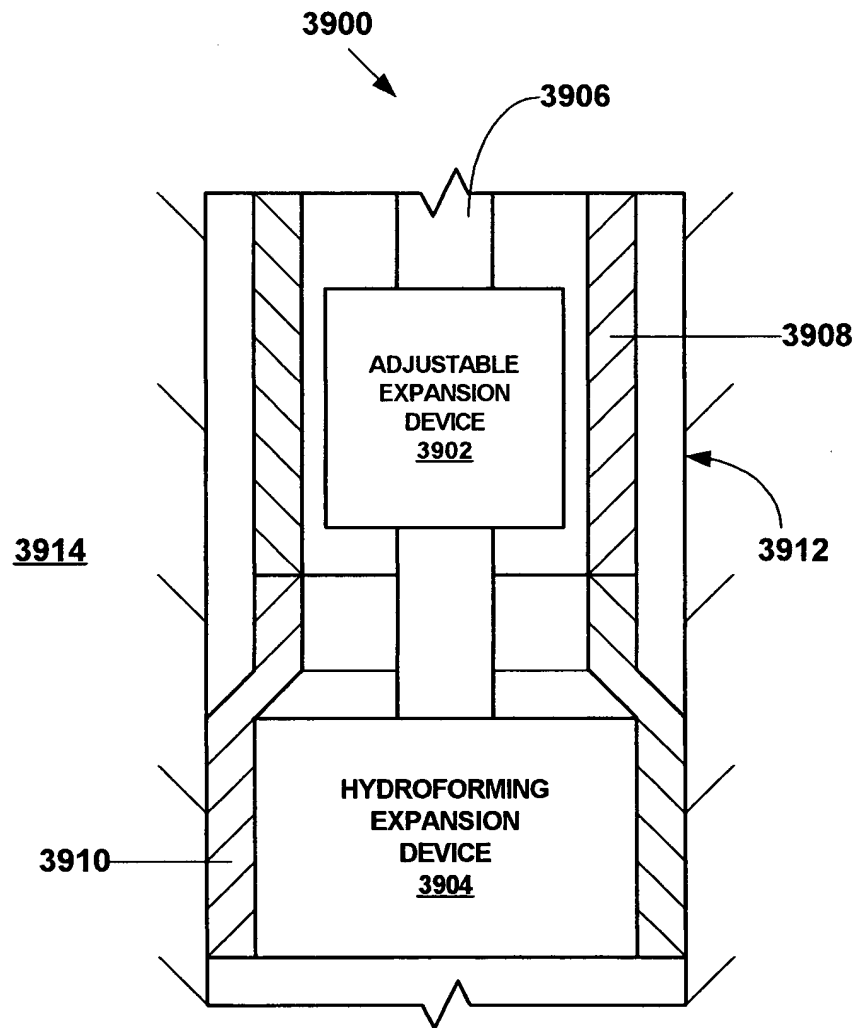


FIG. 39c

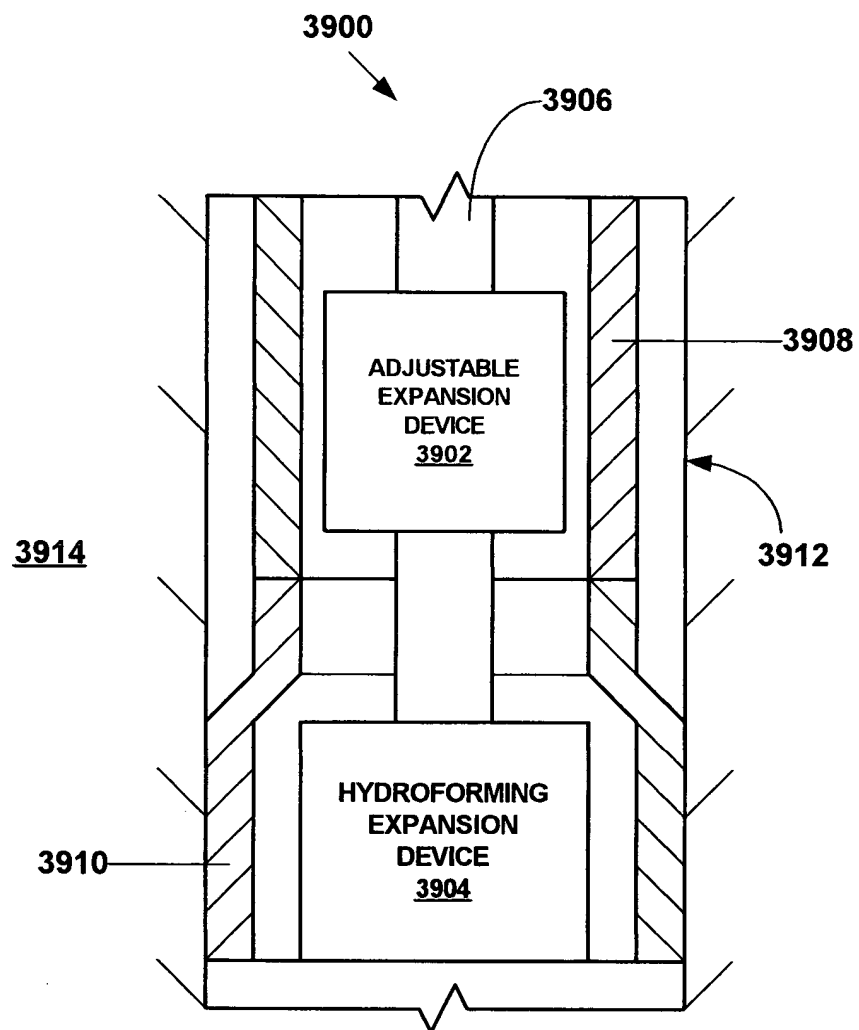


FIG. 39d

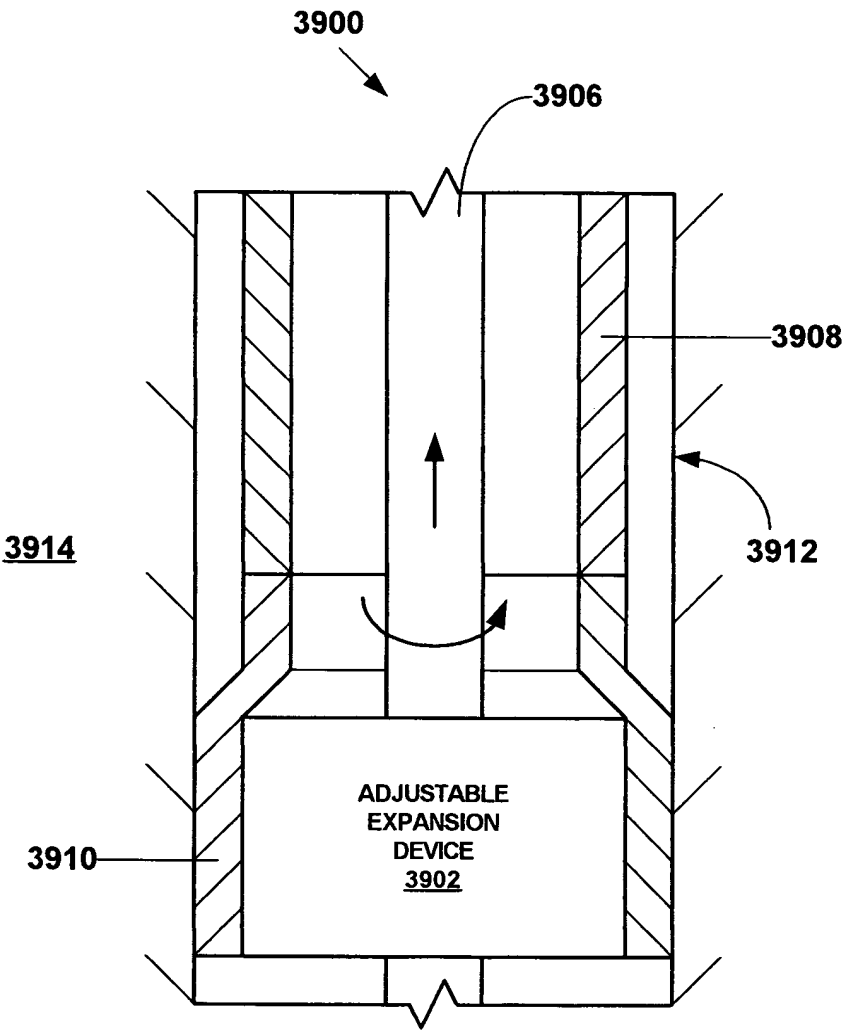


FIG. 39e

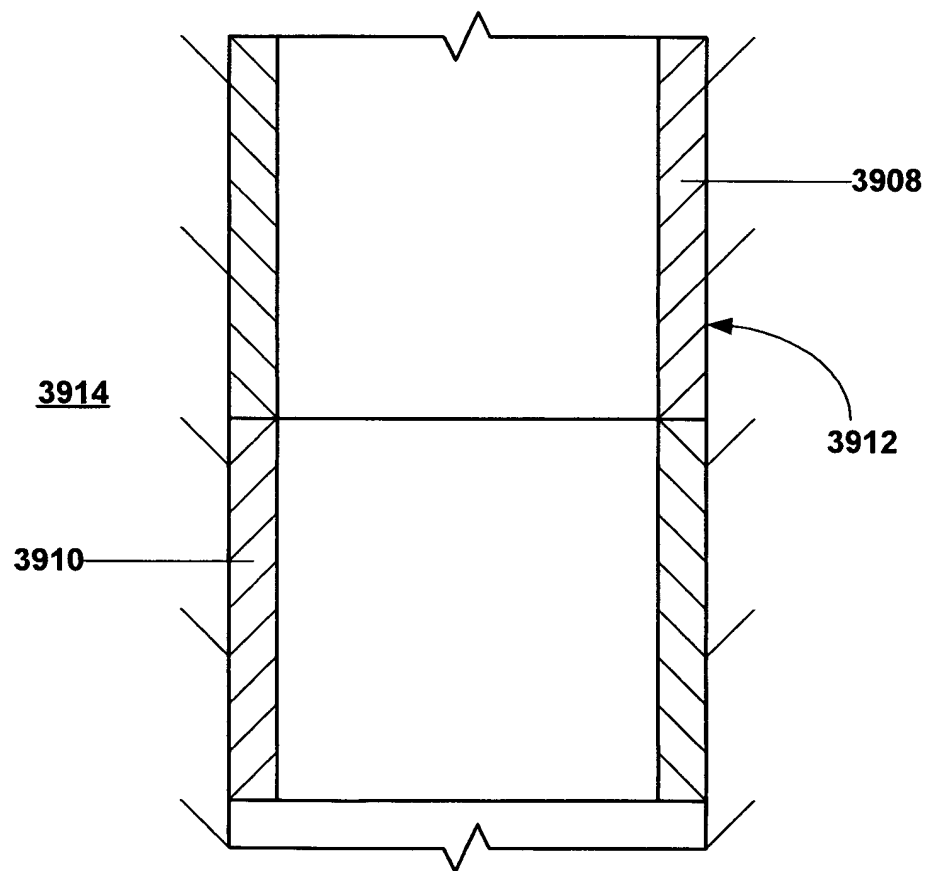


FIG. 39f

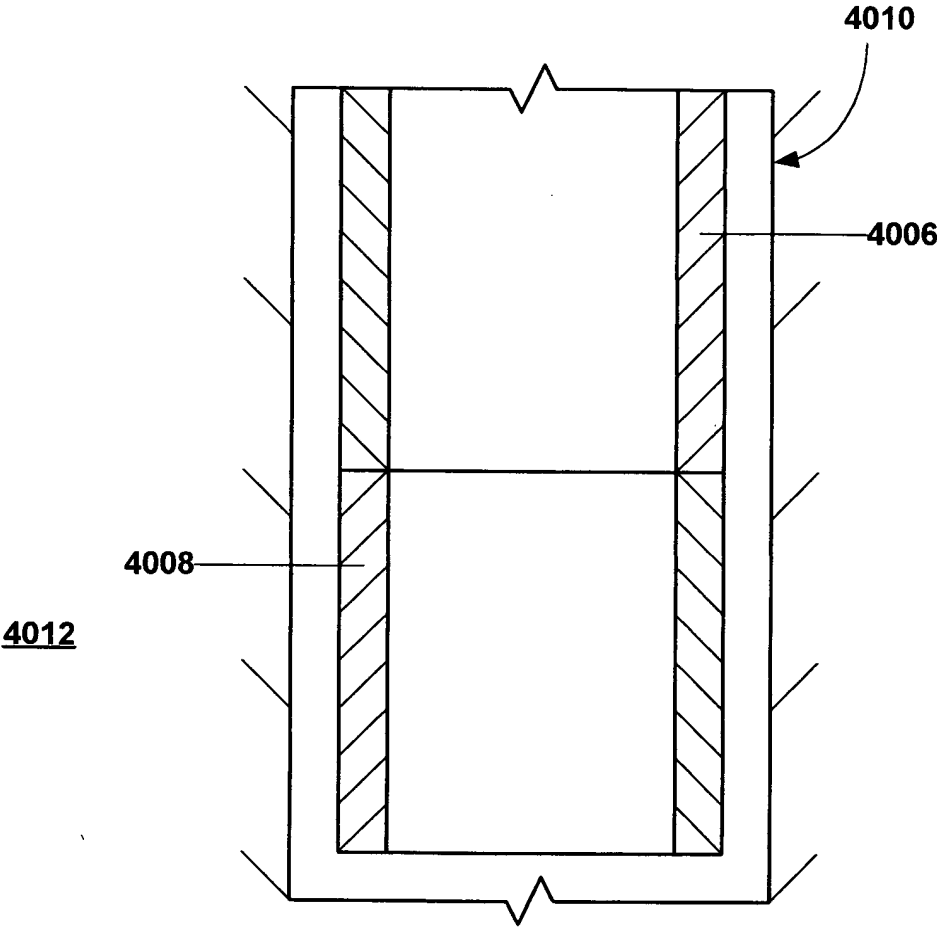


FIG. 40a

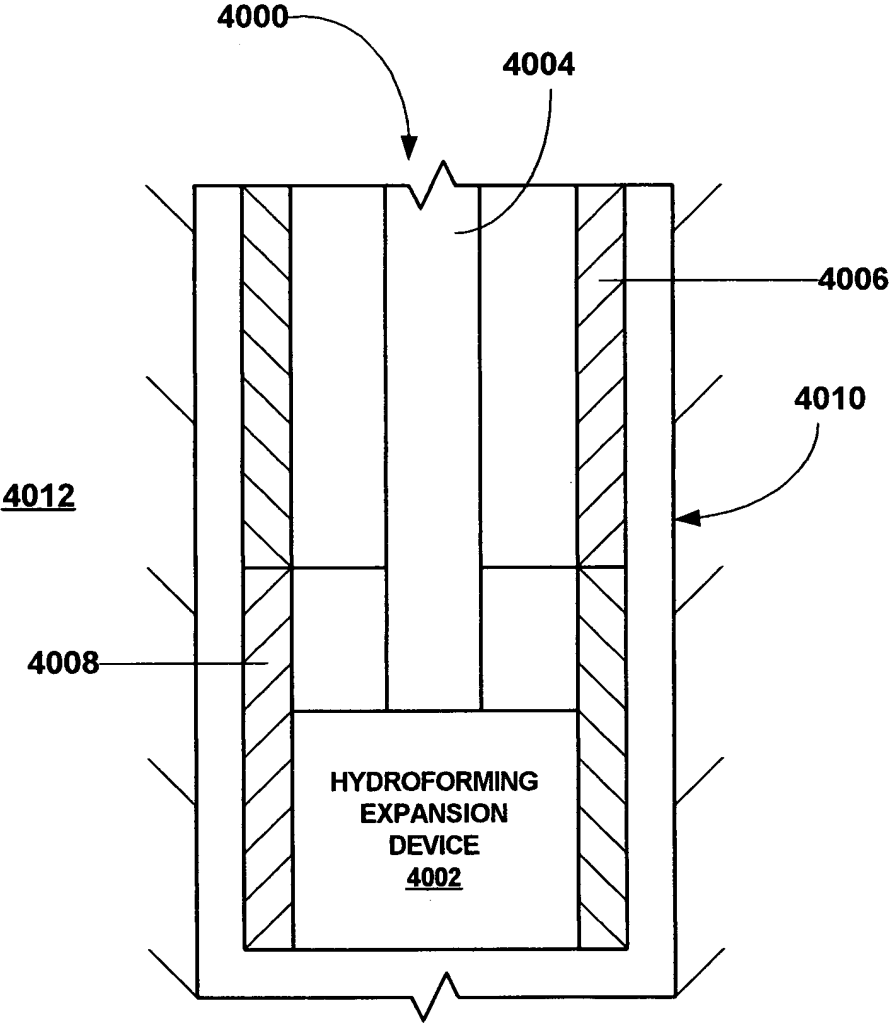


FIG. 40b

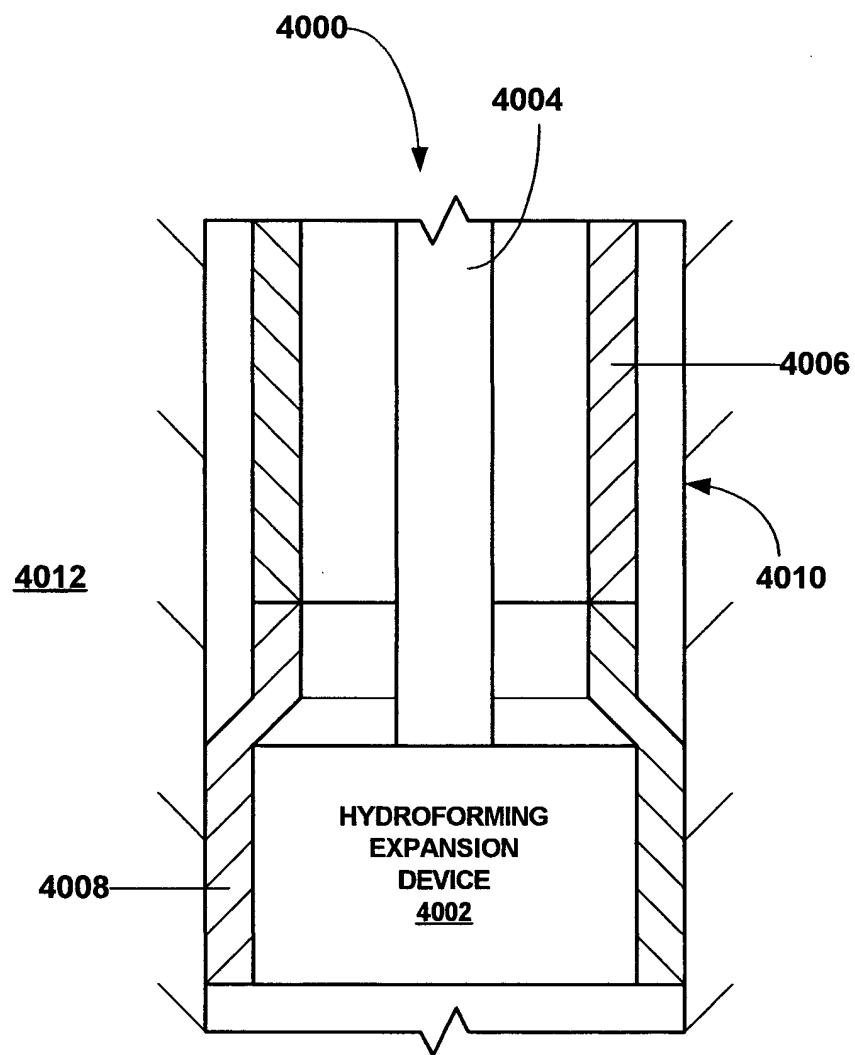


FIG. 40c

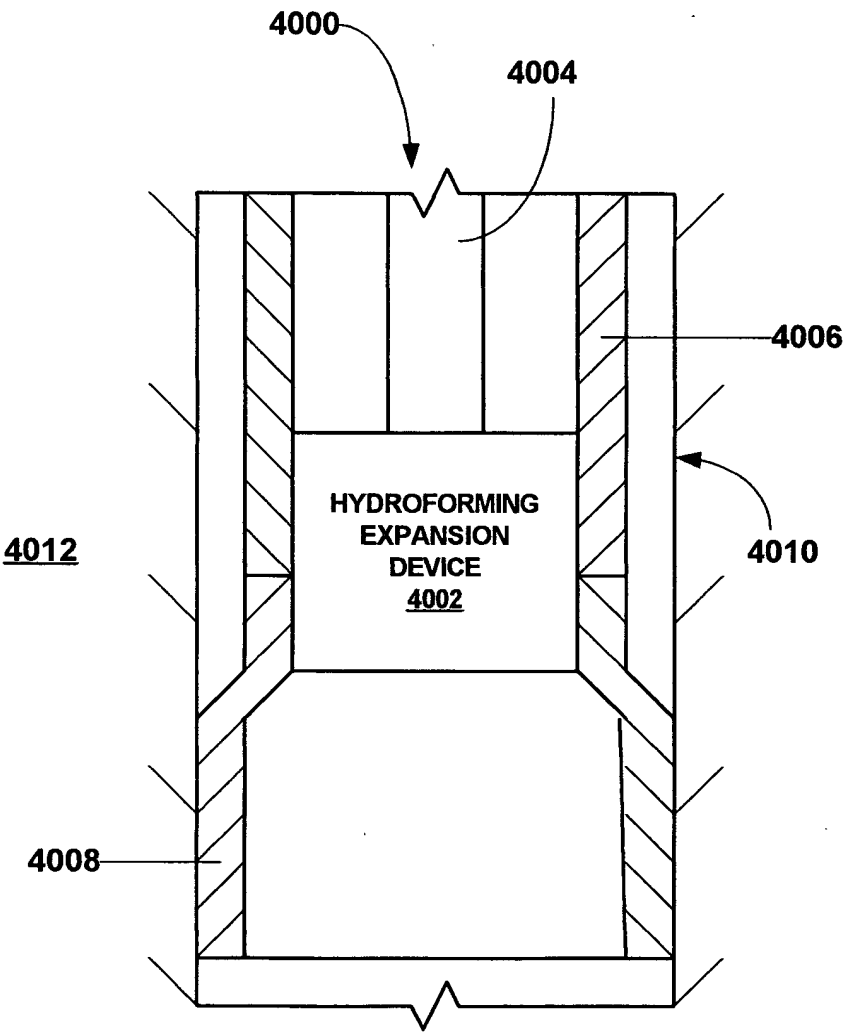


FIG. 40d

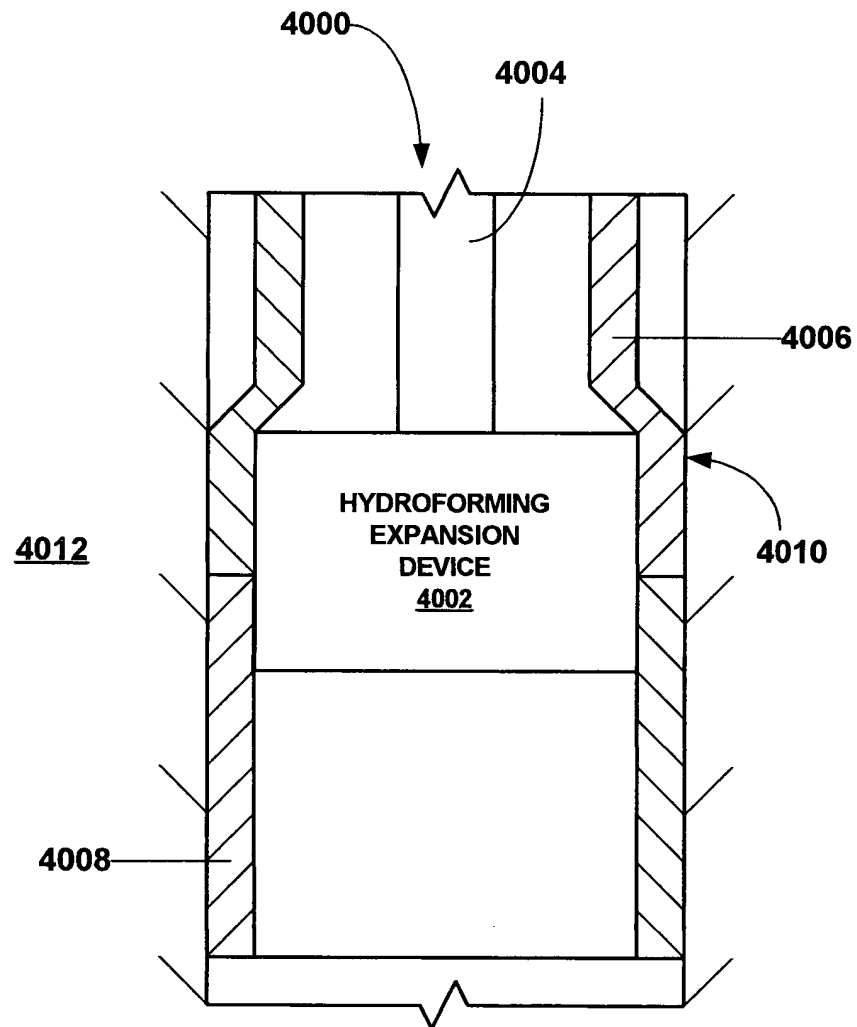


FIG. 40e

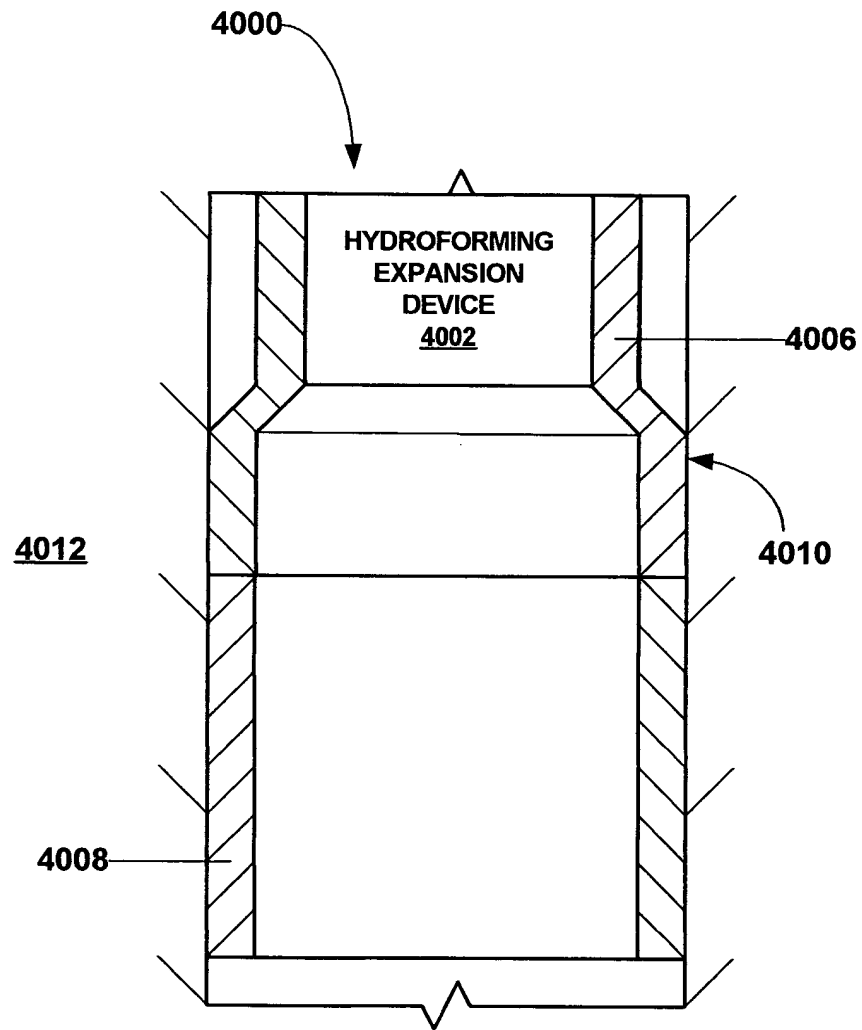


FIG. 40f

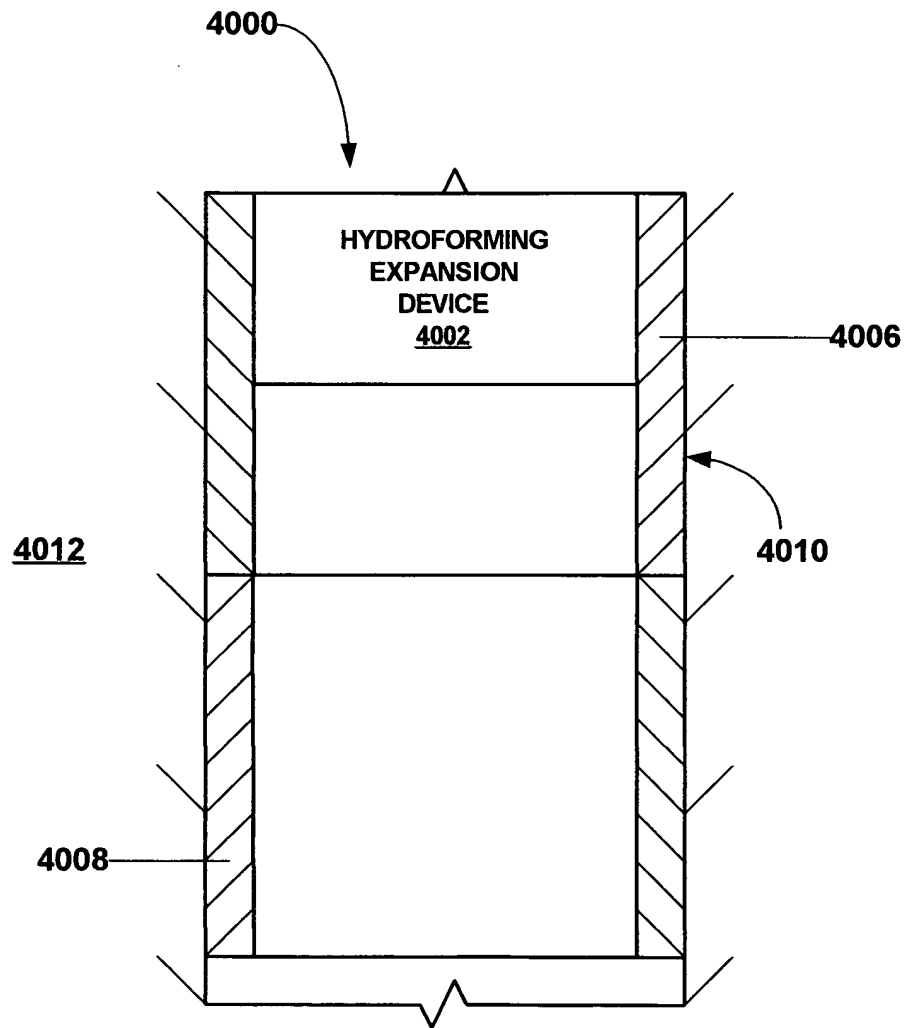


FIG. 40g

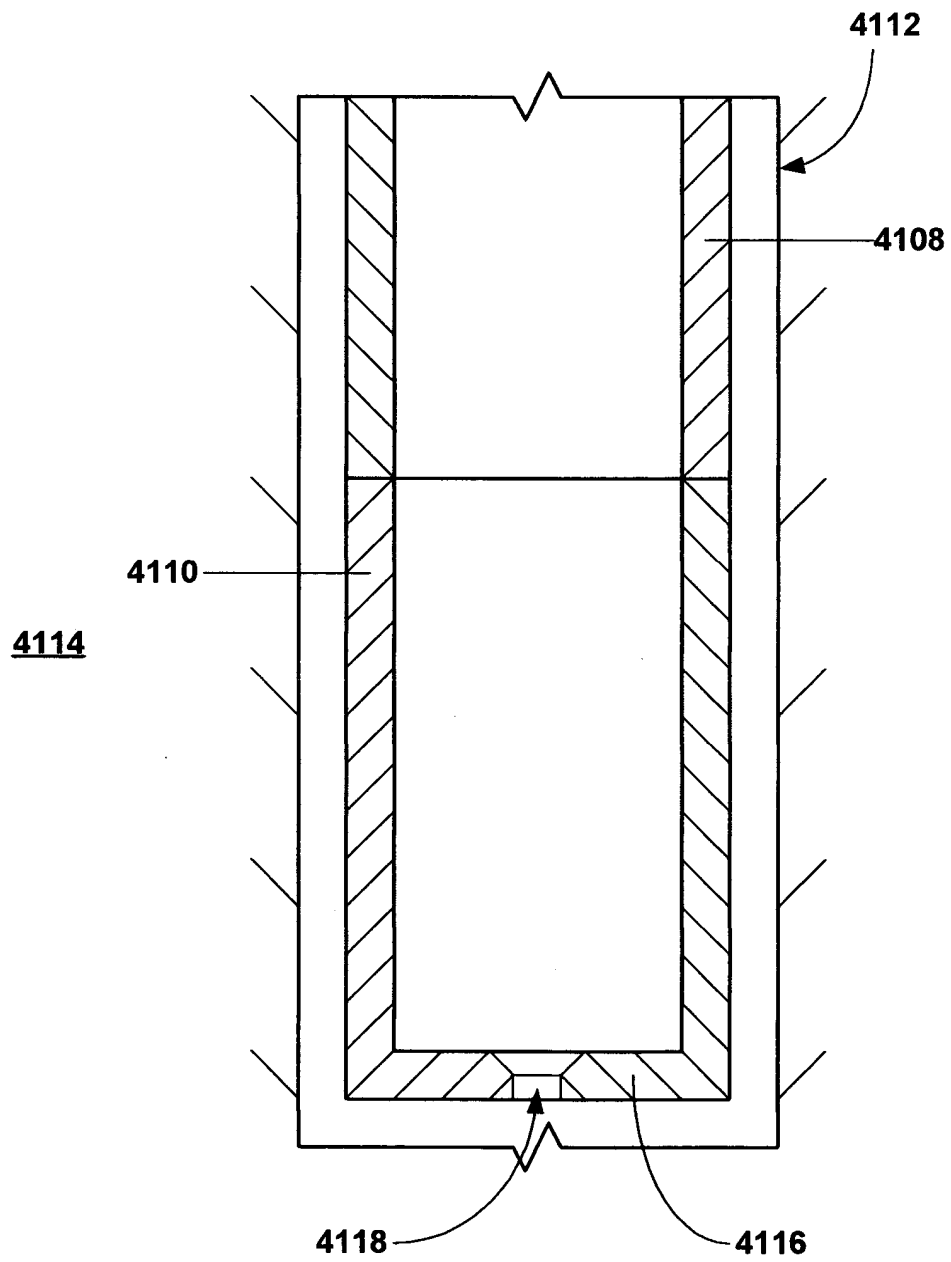


FIG. 41a

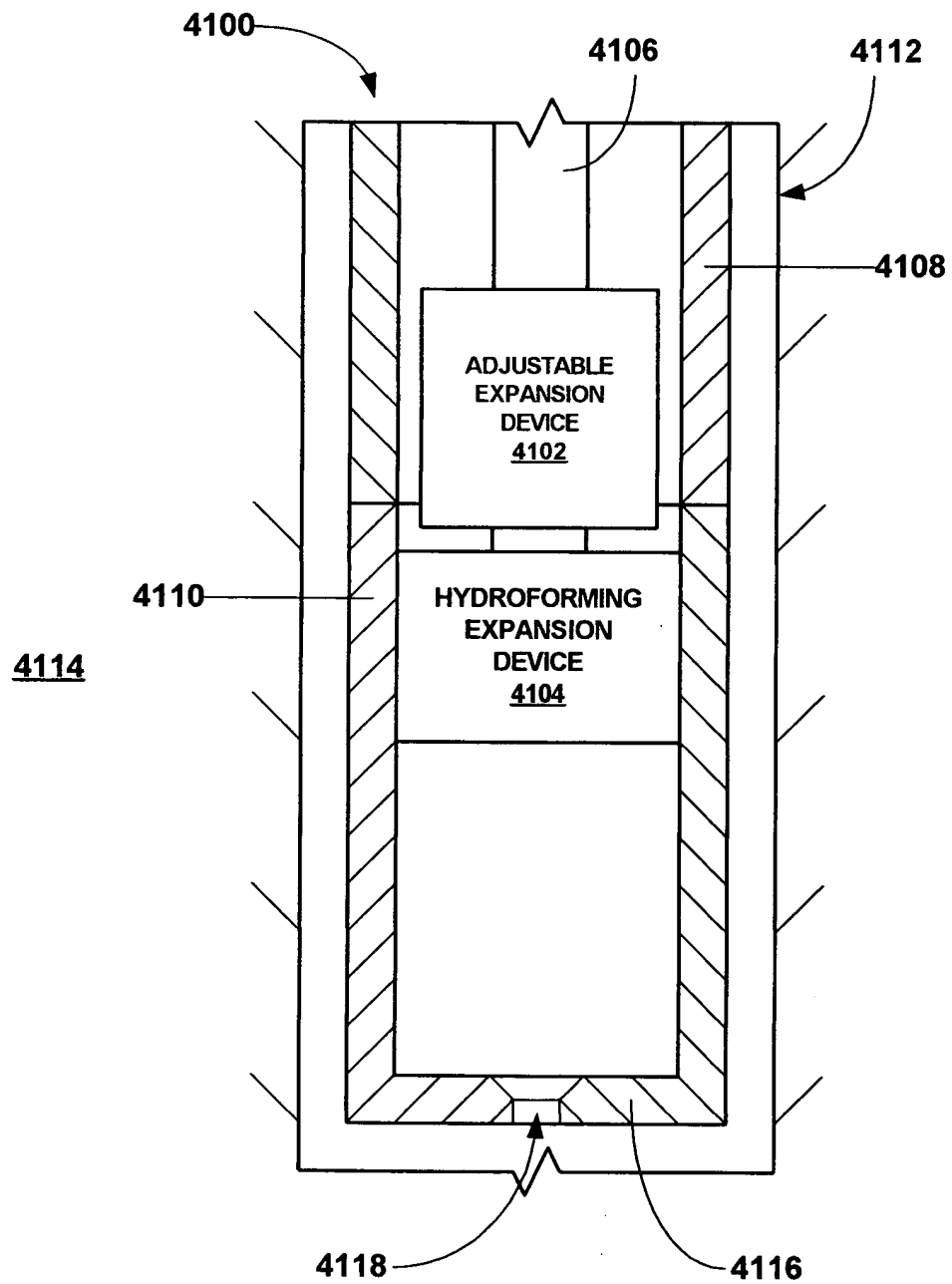


FIG. 41b

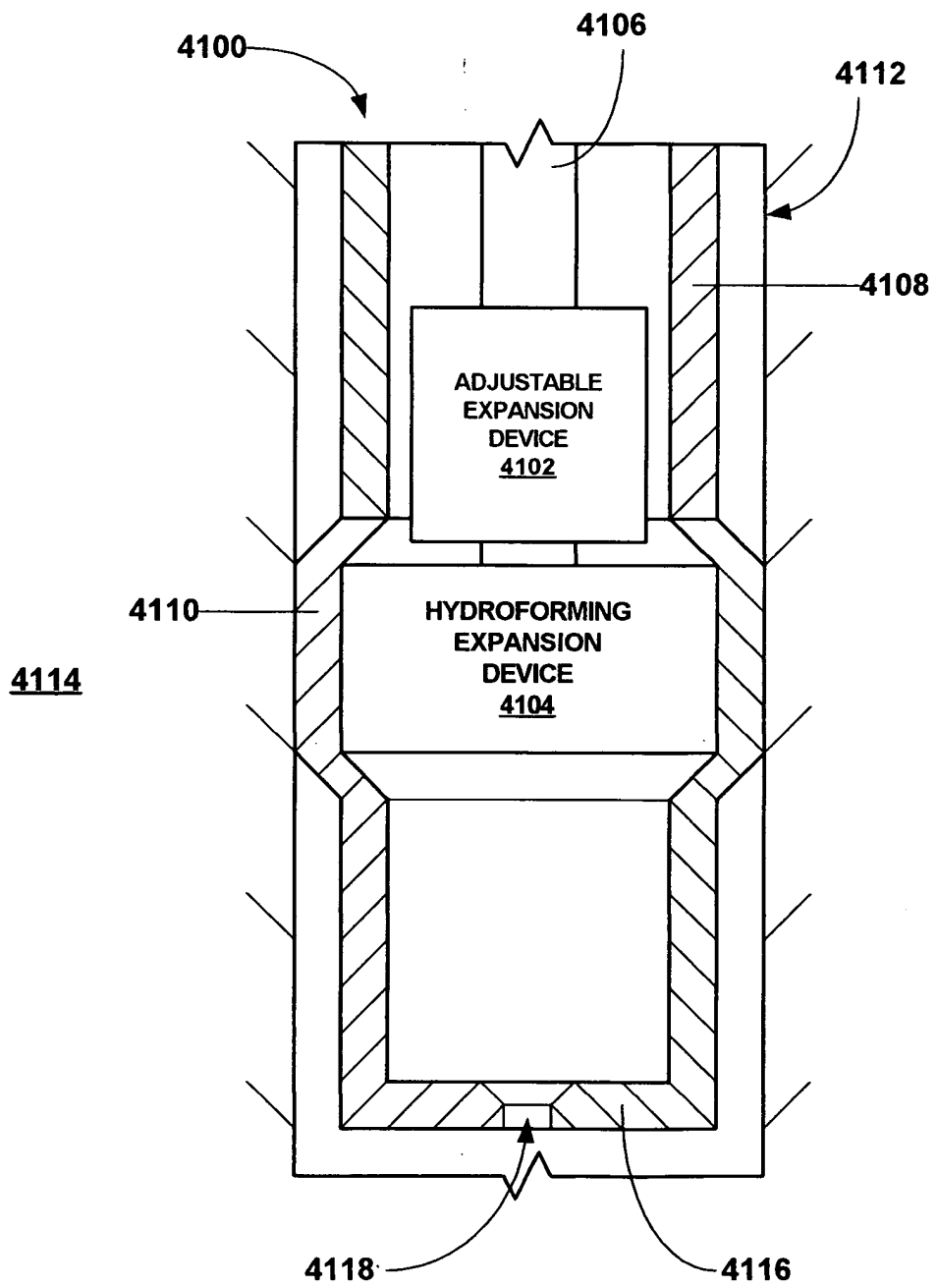


FIG. 41c

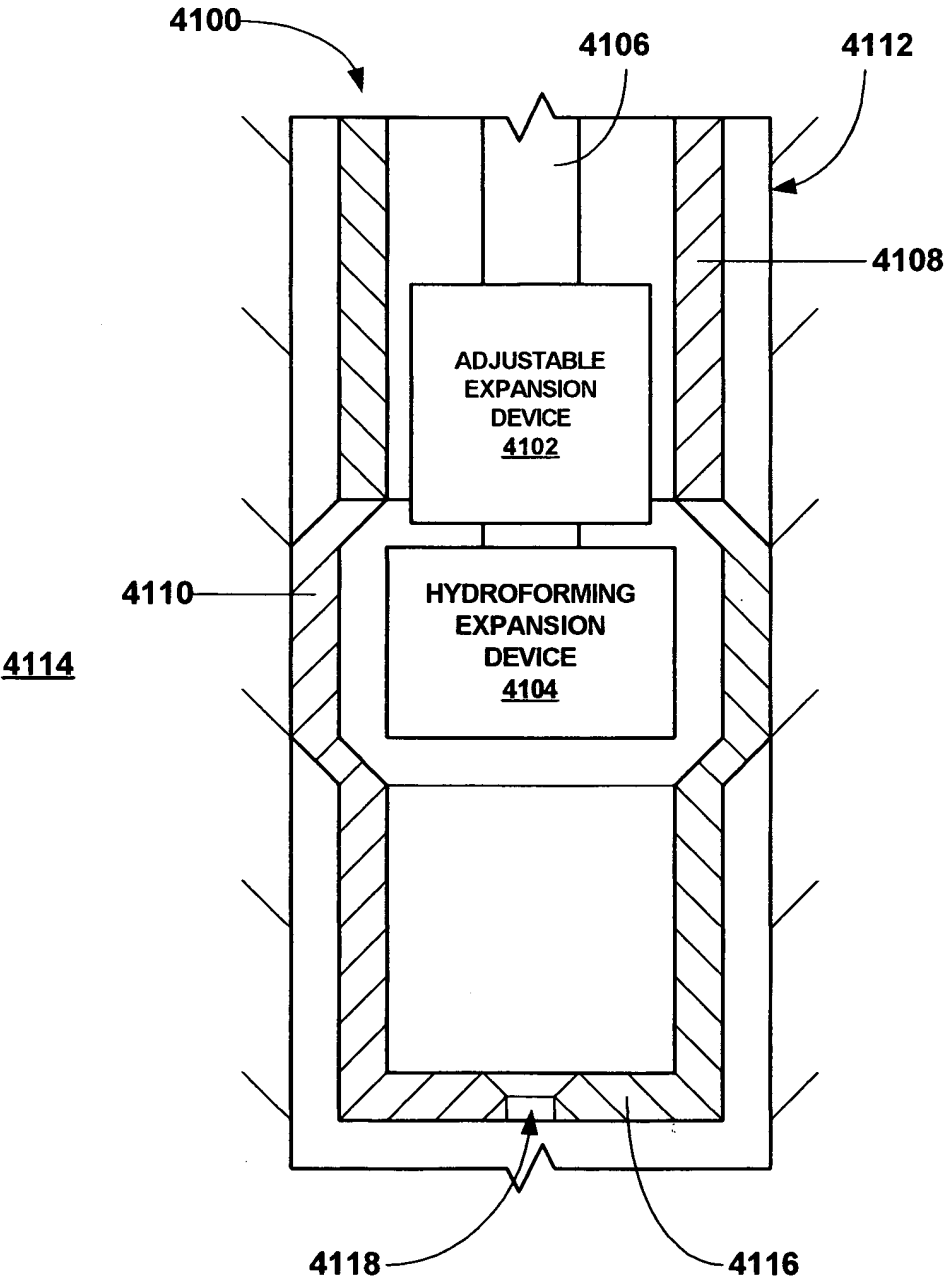


FIG. 41d

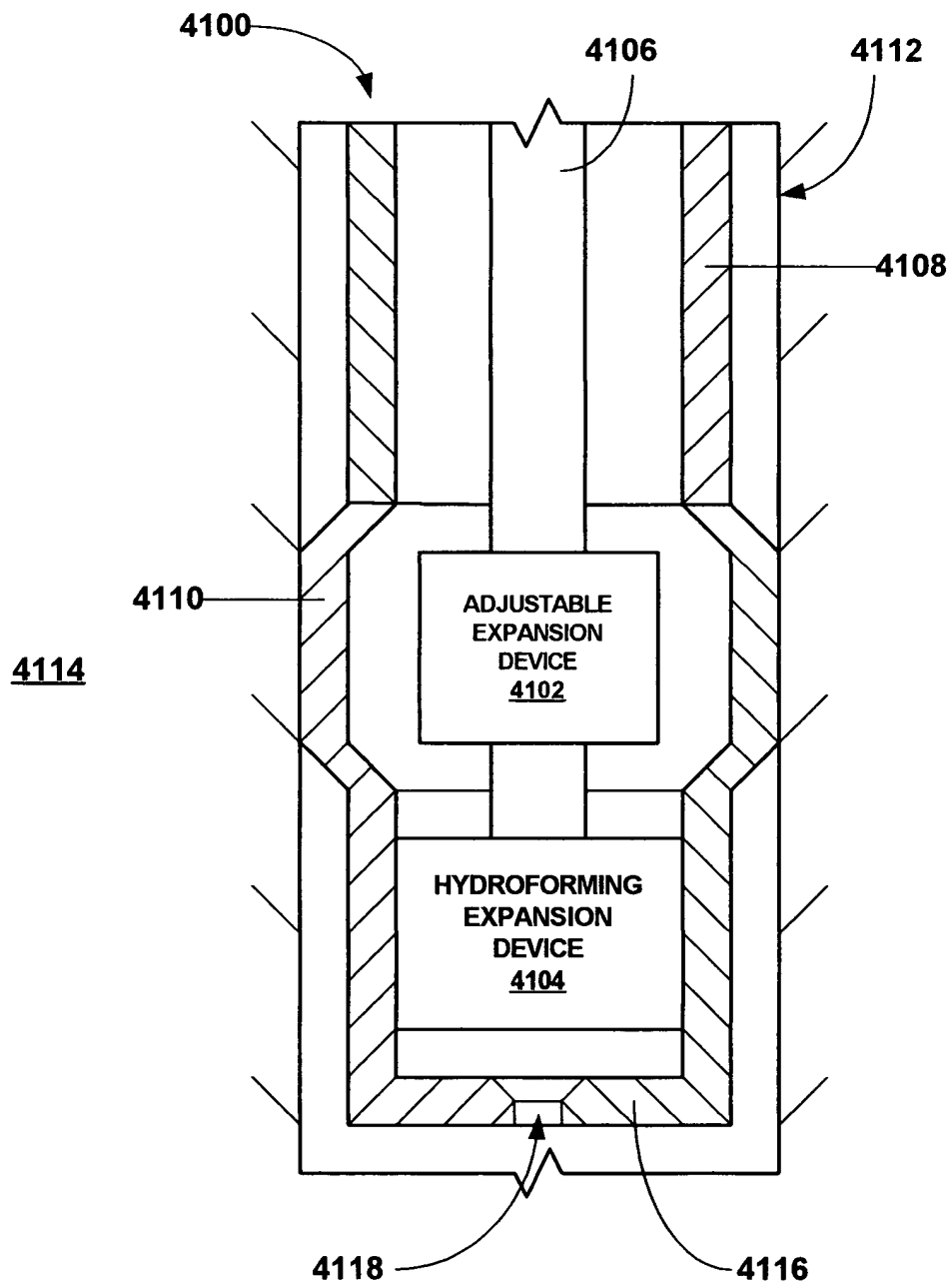


FIG. 41e

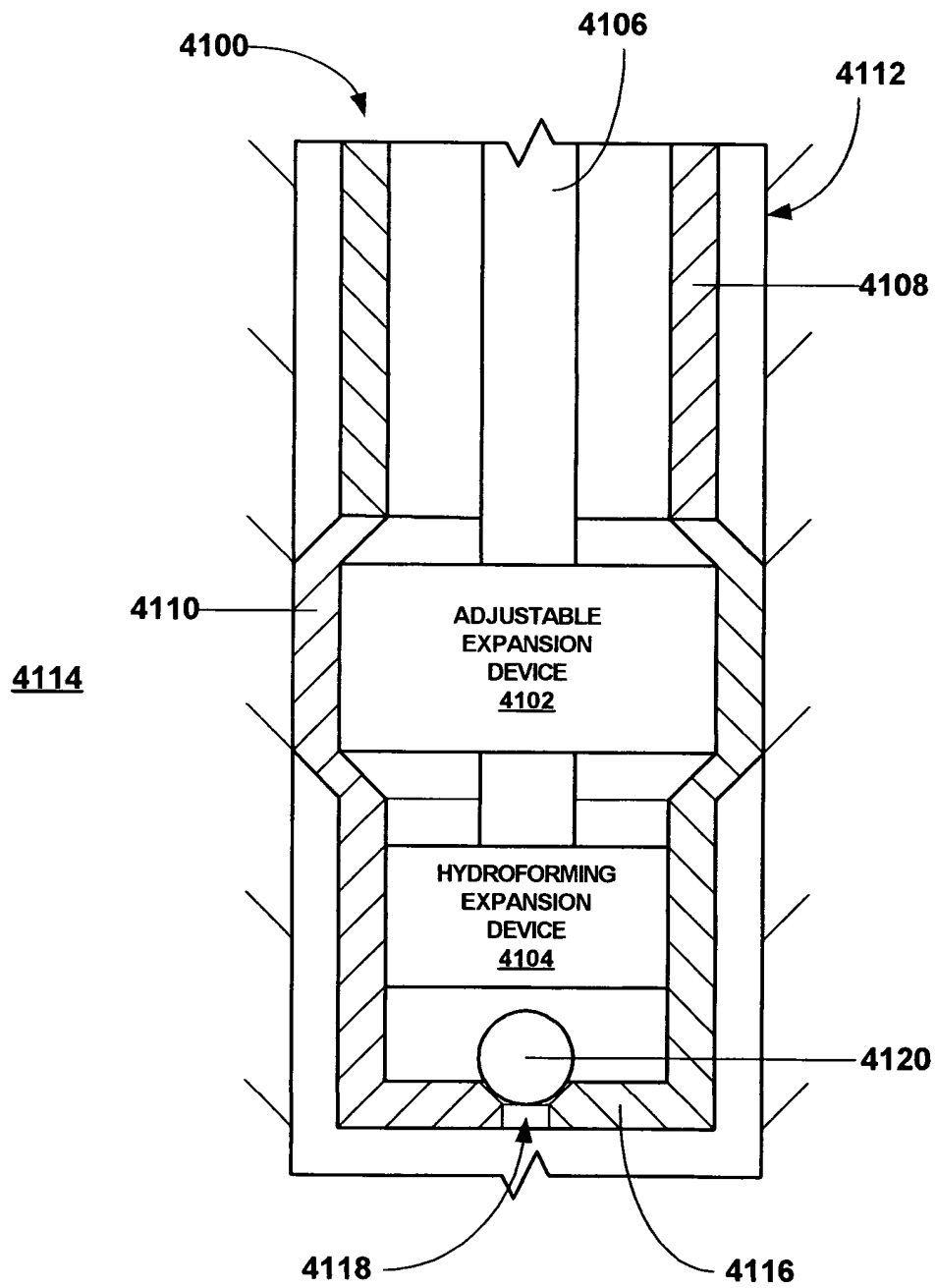


FIG. 41f

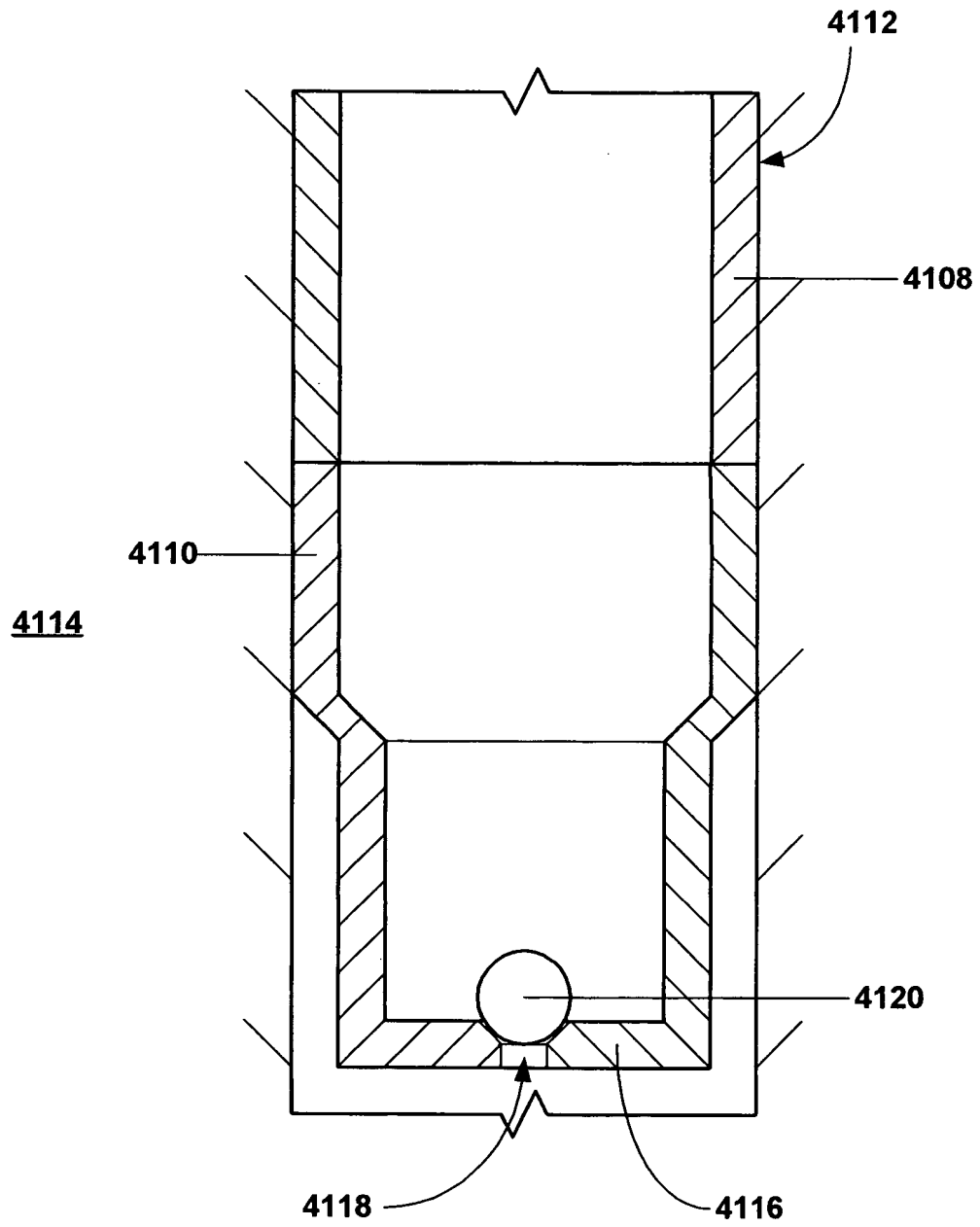


FIG. 41g

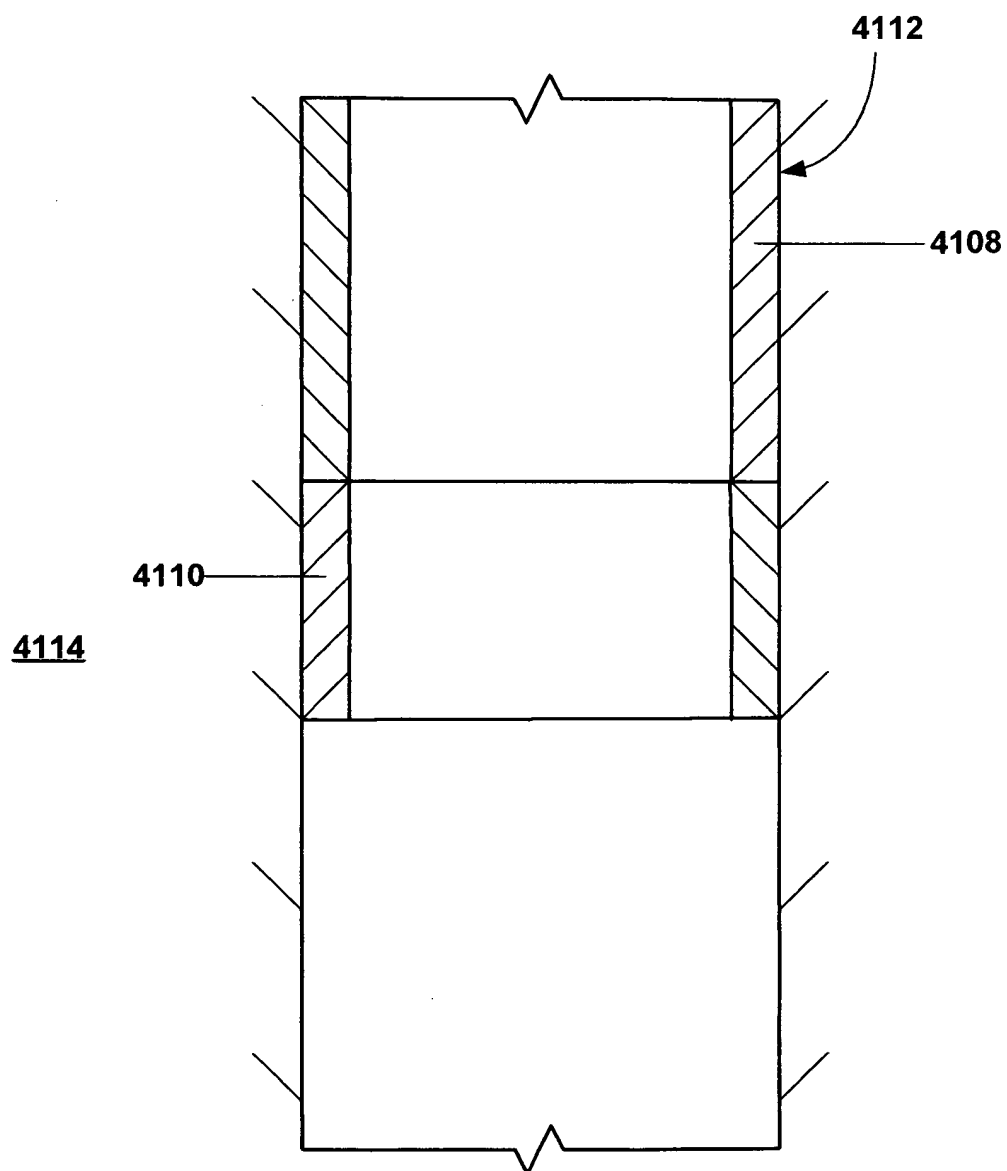


FIG. 41h

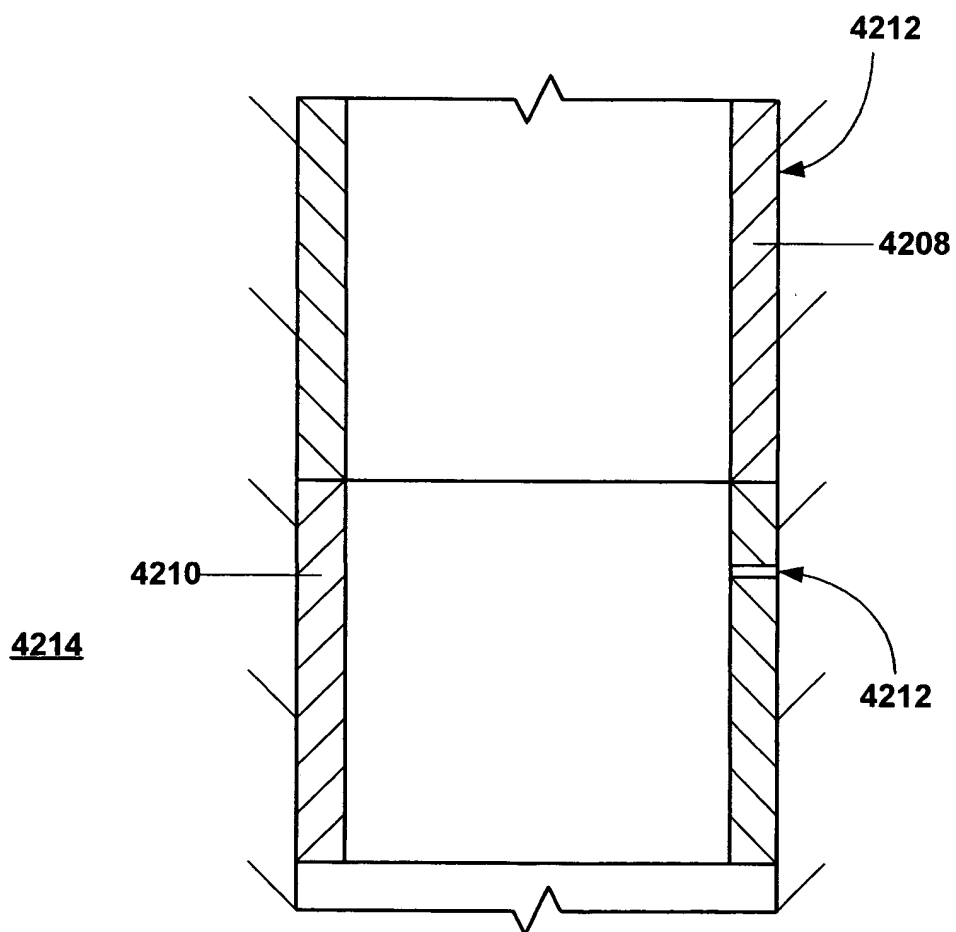


FIG. 42a

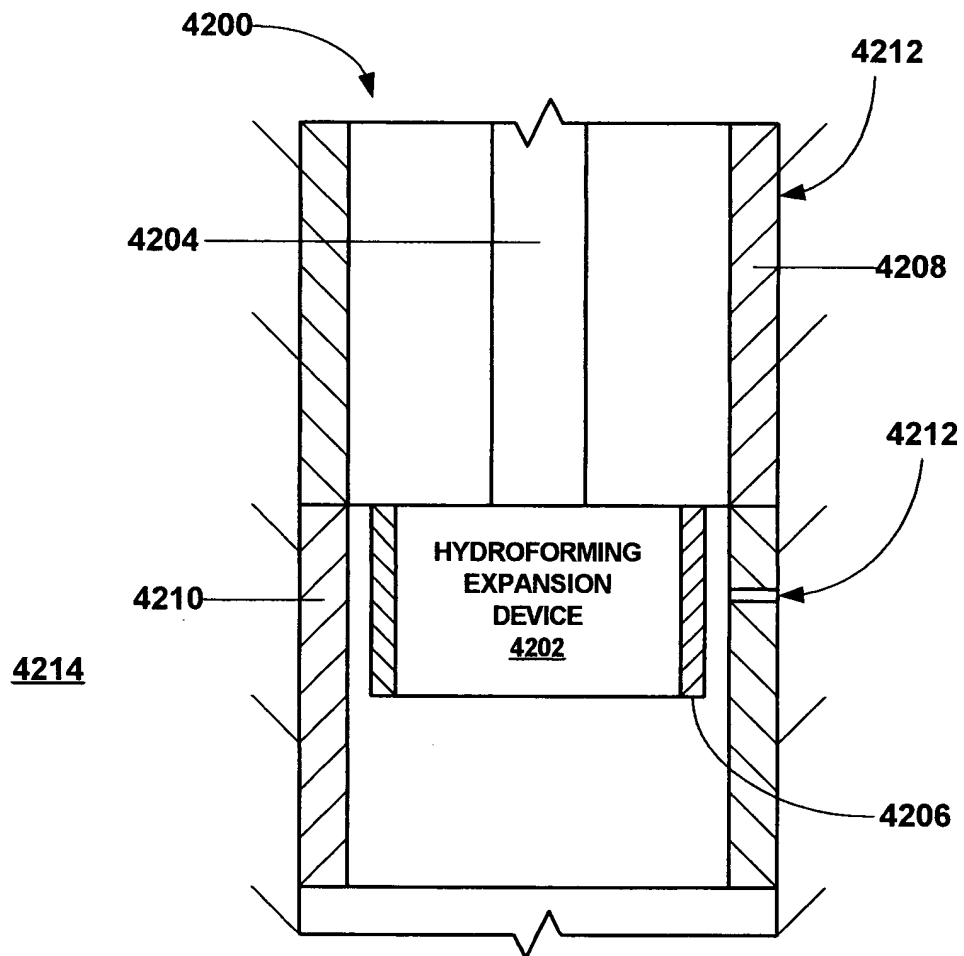


FIG. 42b

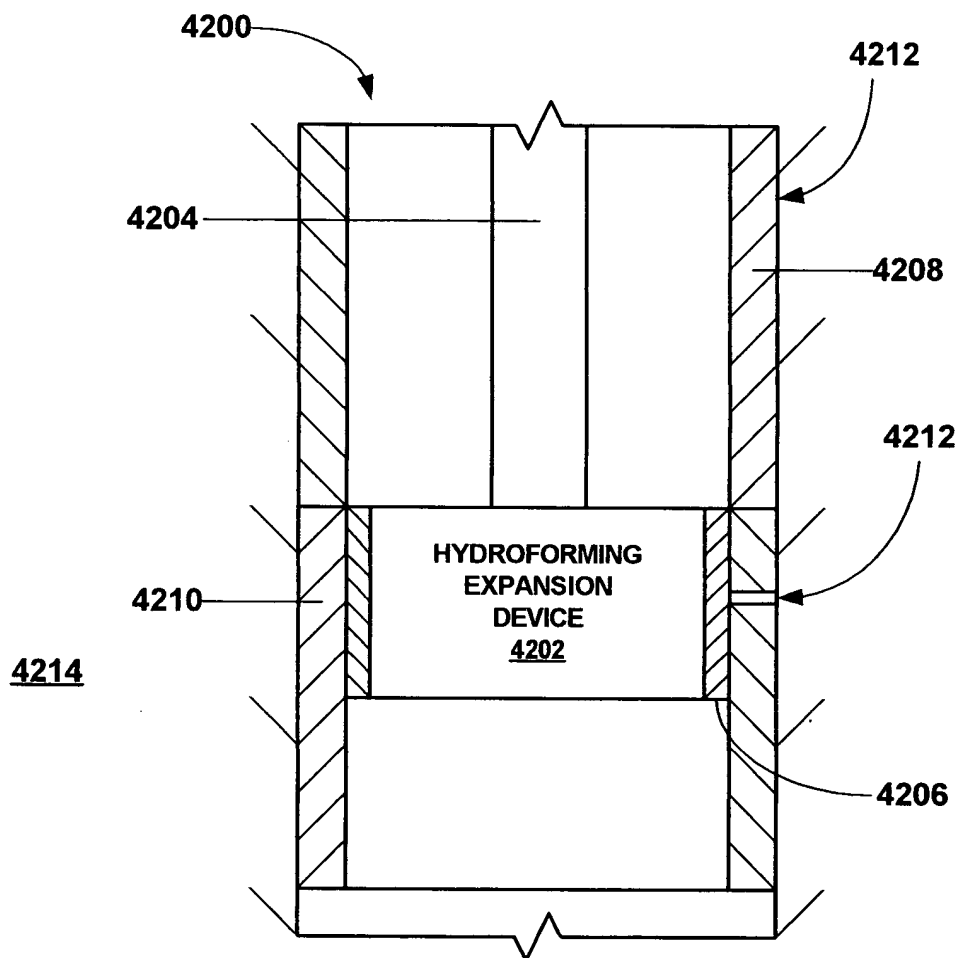


FIG. 42c

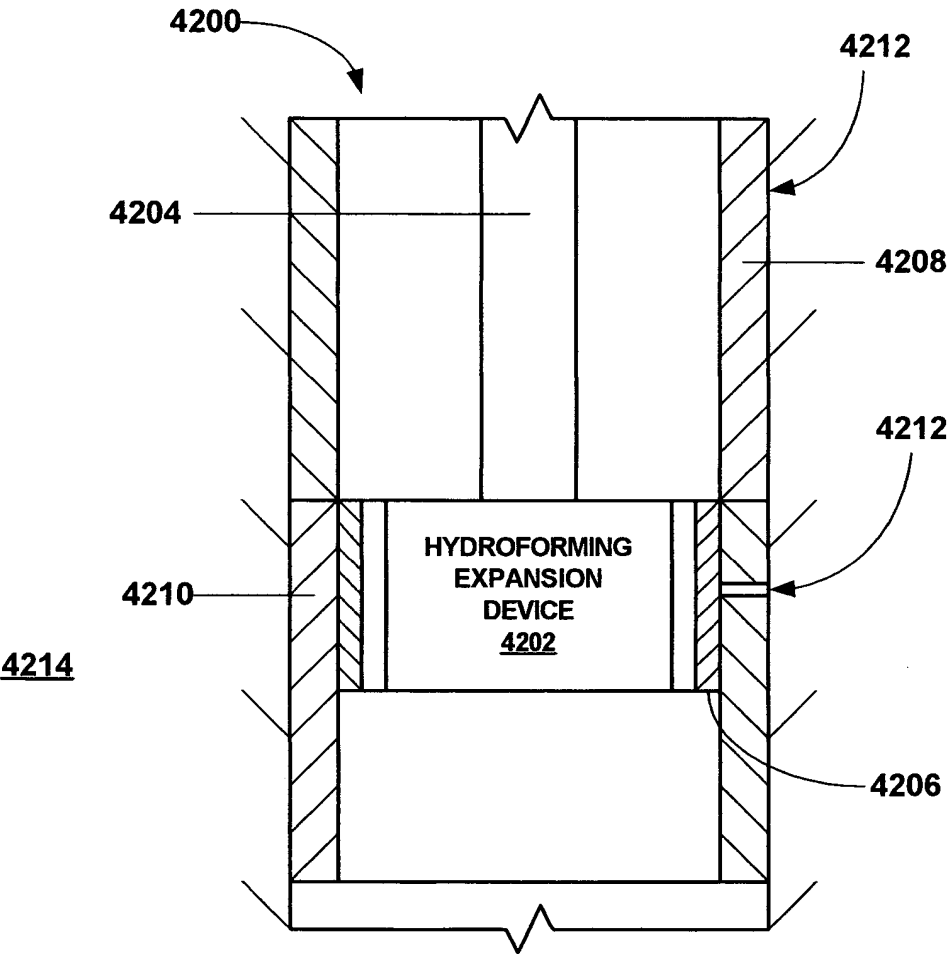


FIG. 42d

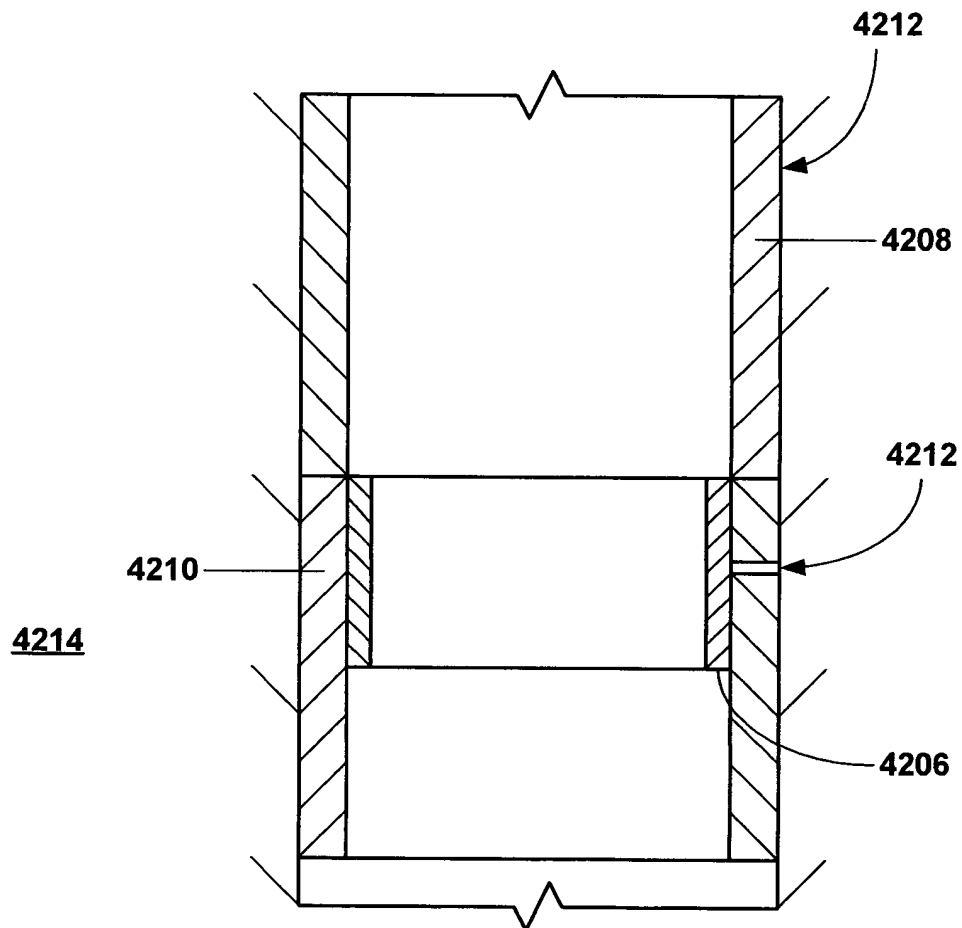


FIG. 42e

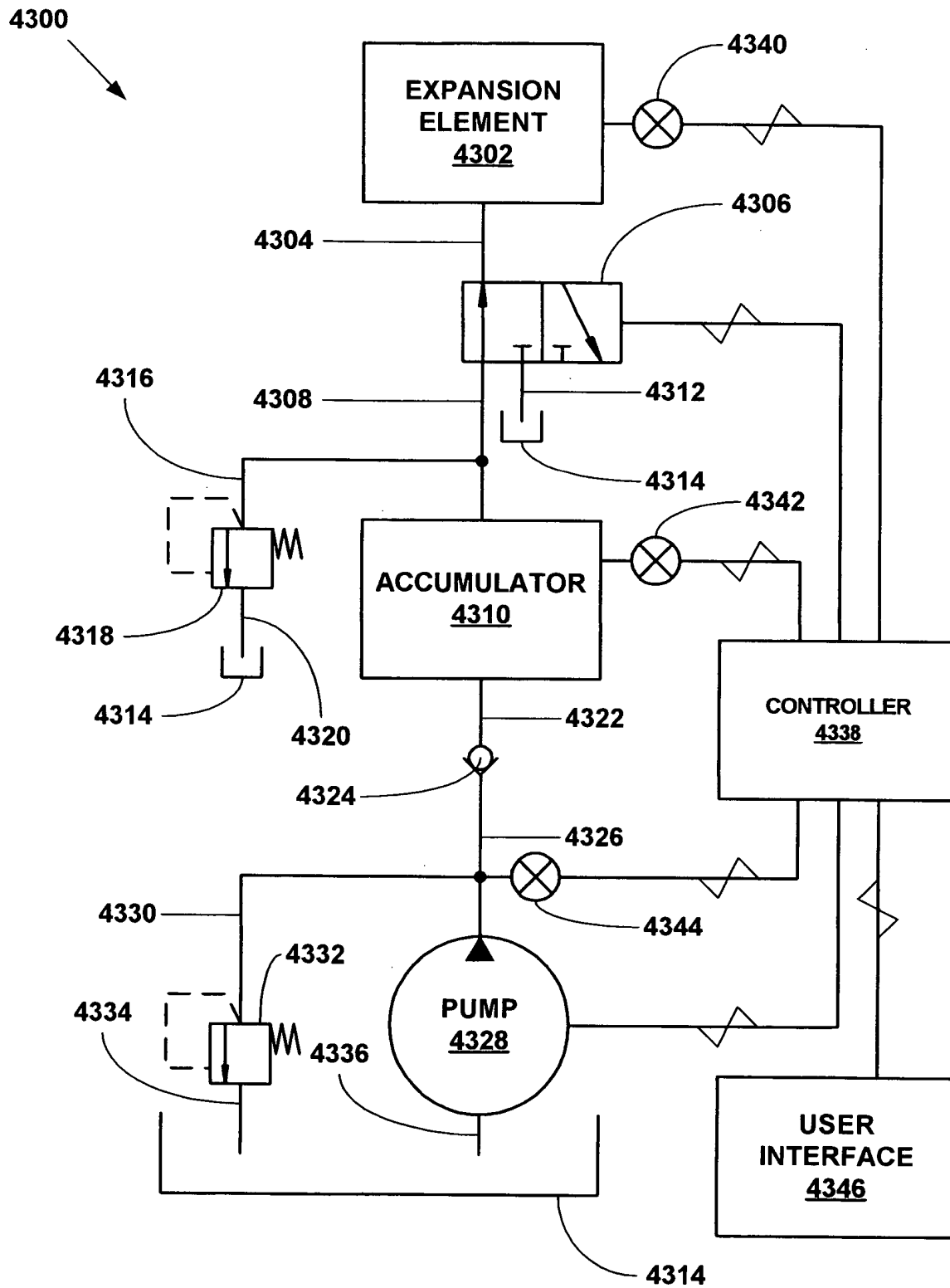


FIG. 43

4400

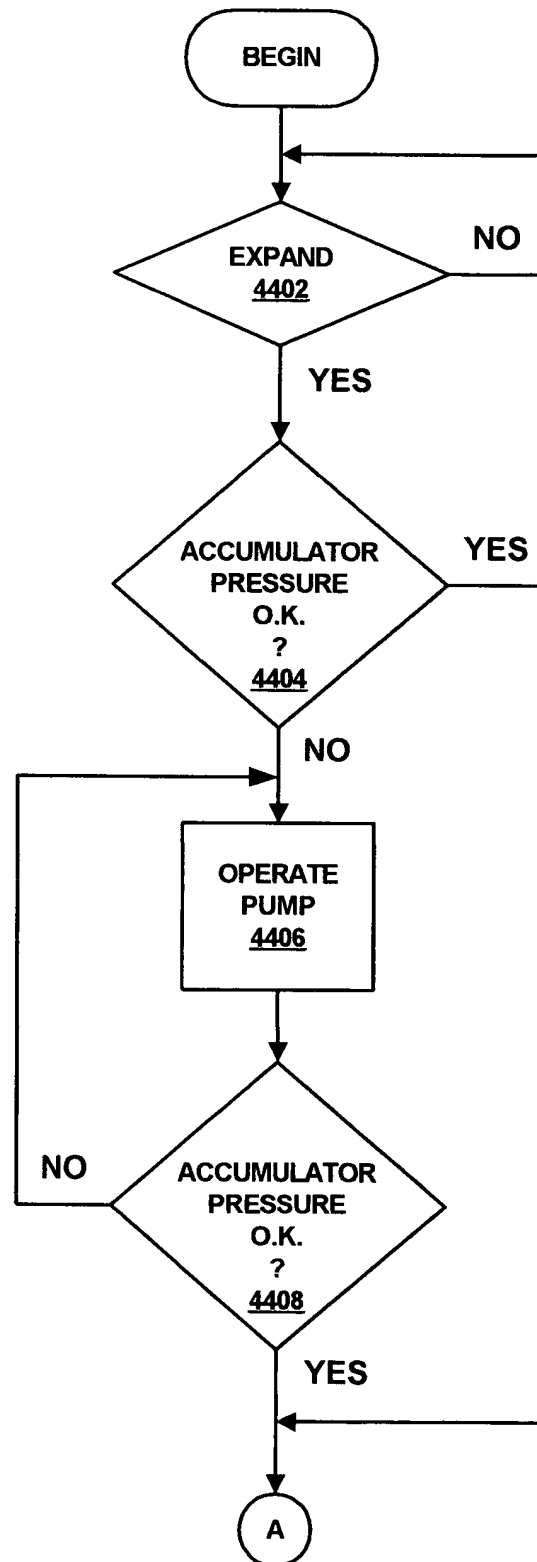


FIG. 44a

4400

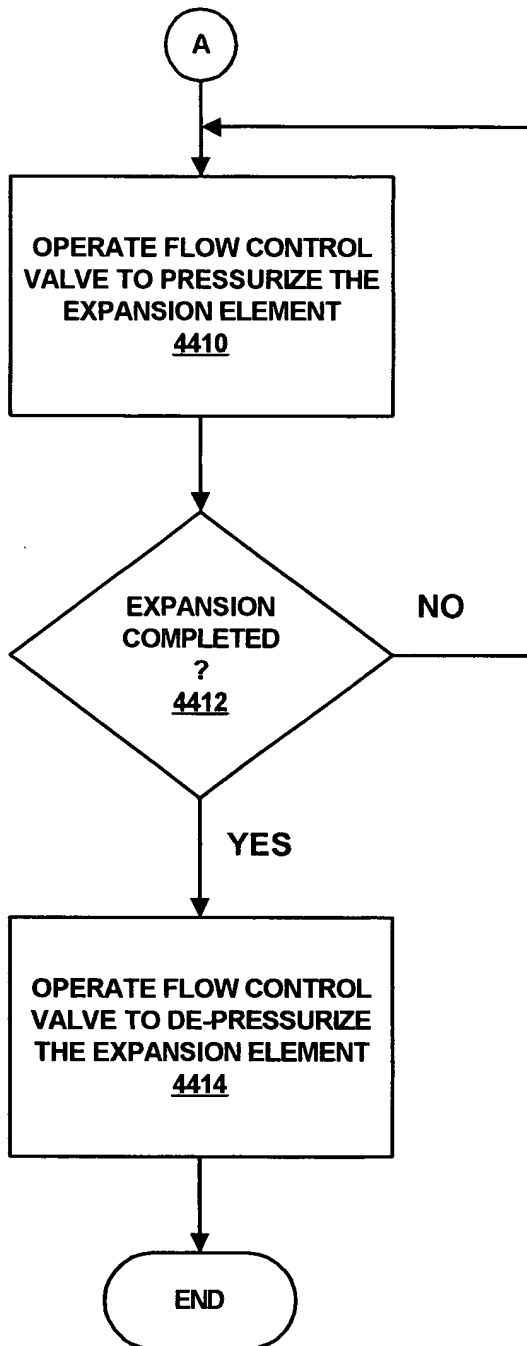
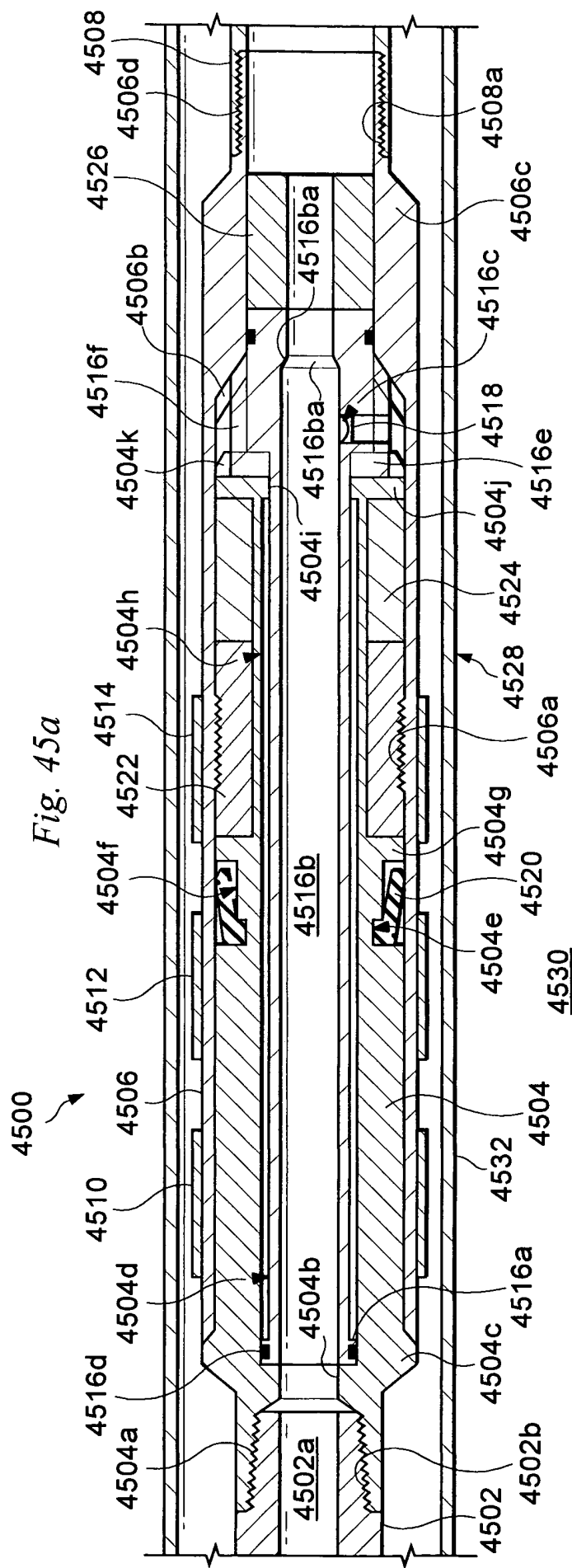
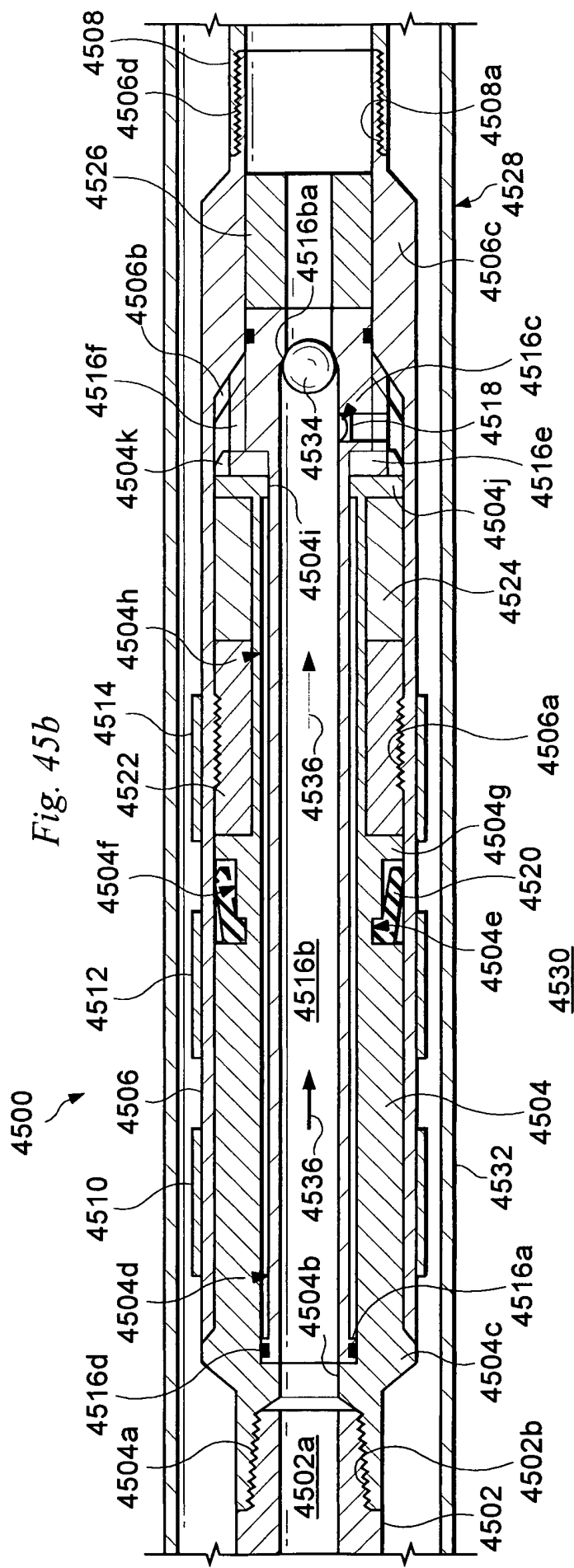
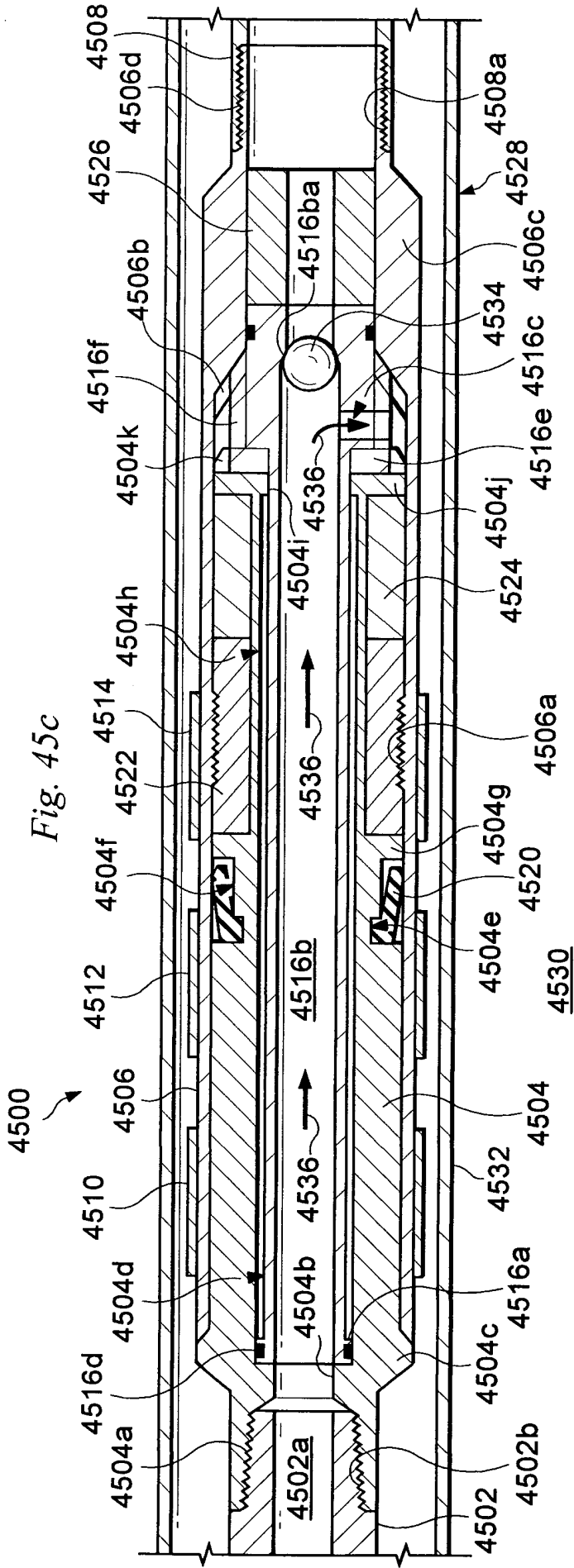
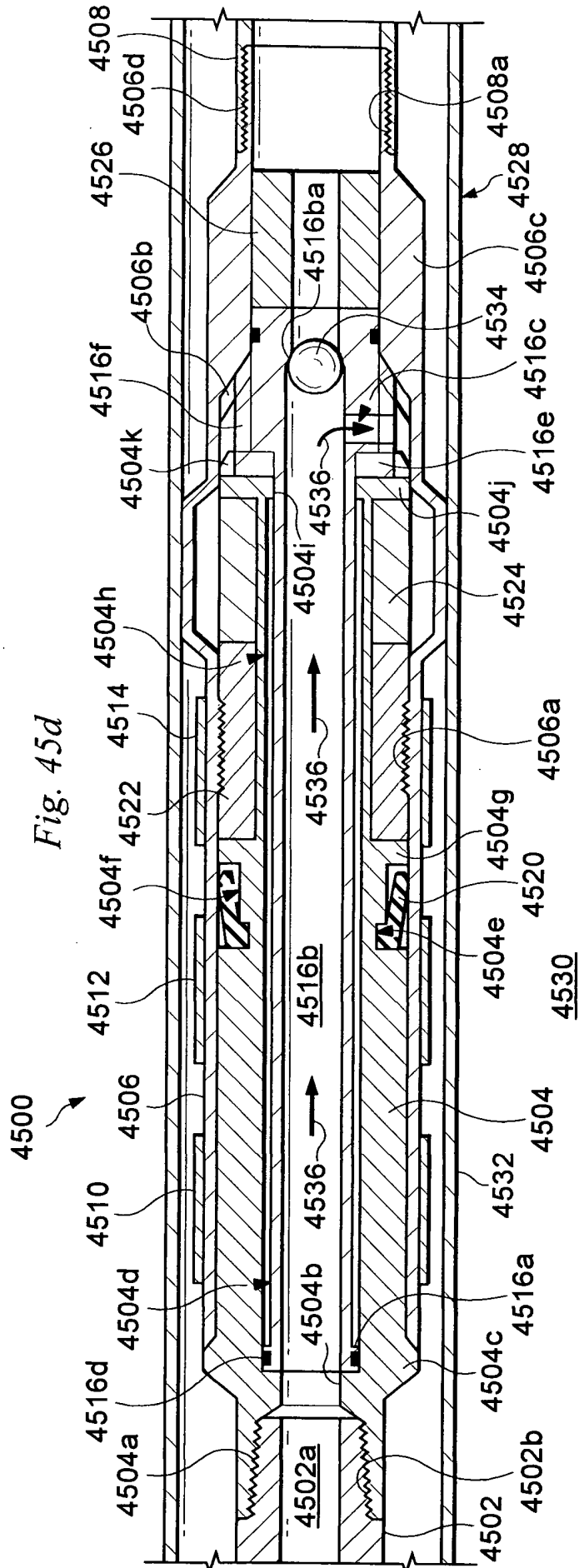


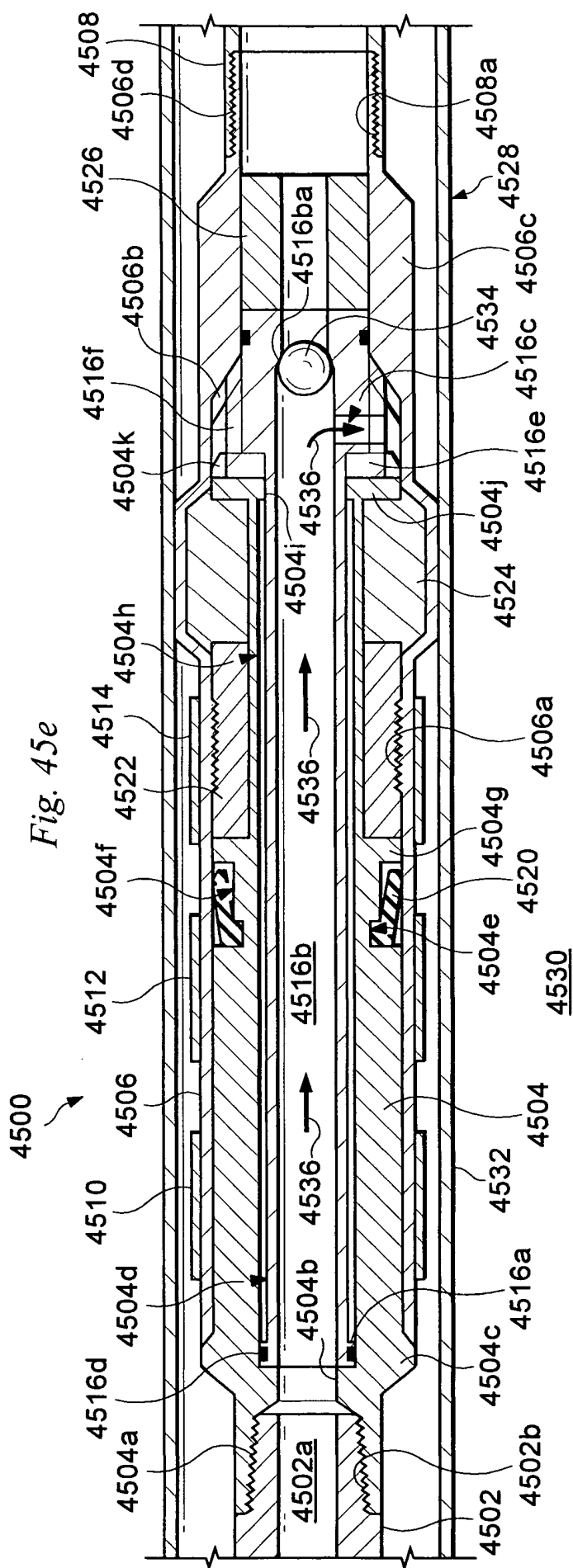
FIG. 44b

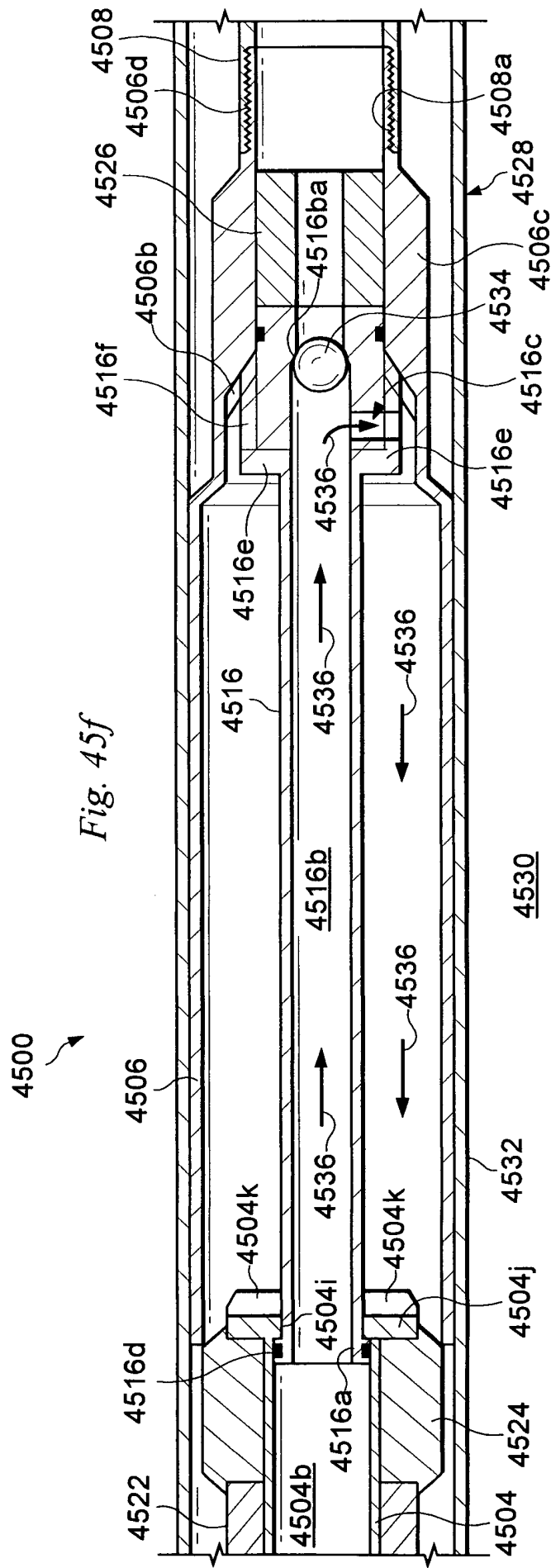


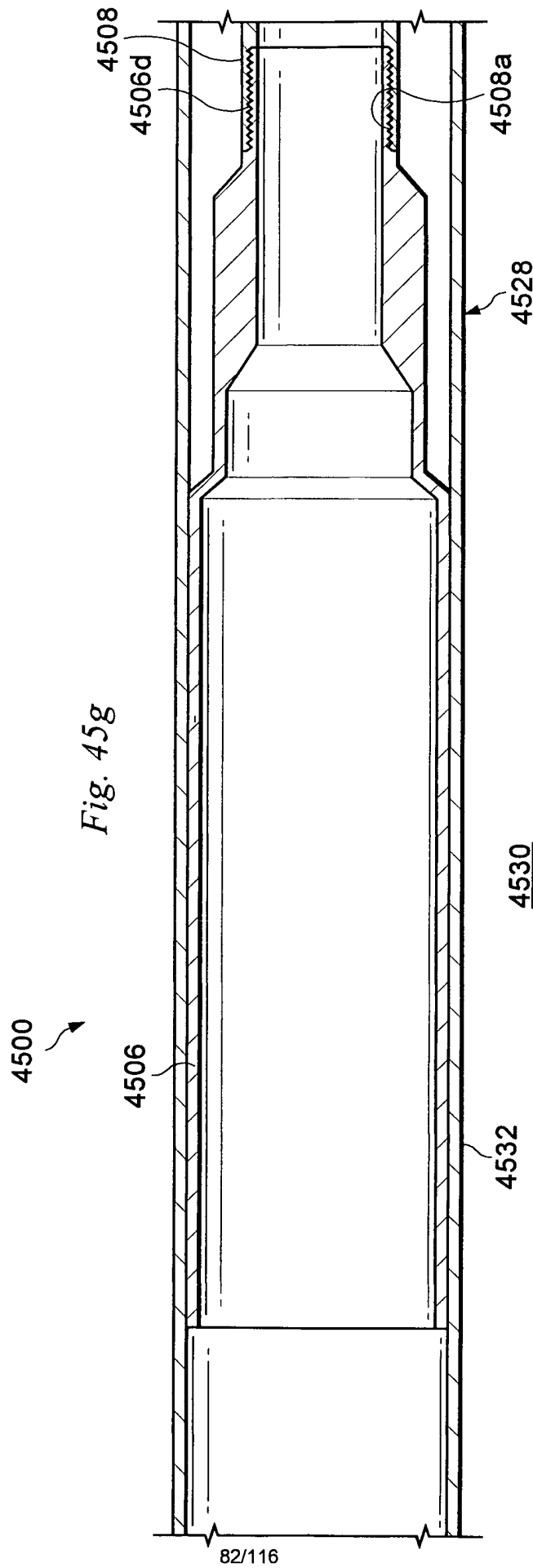












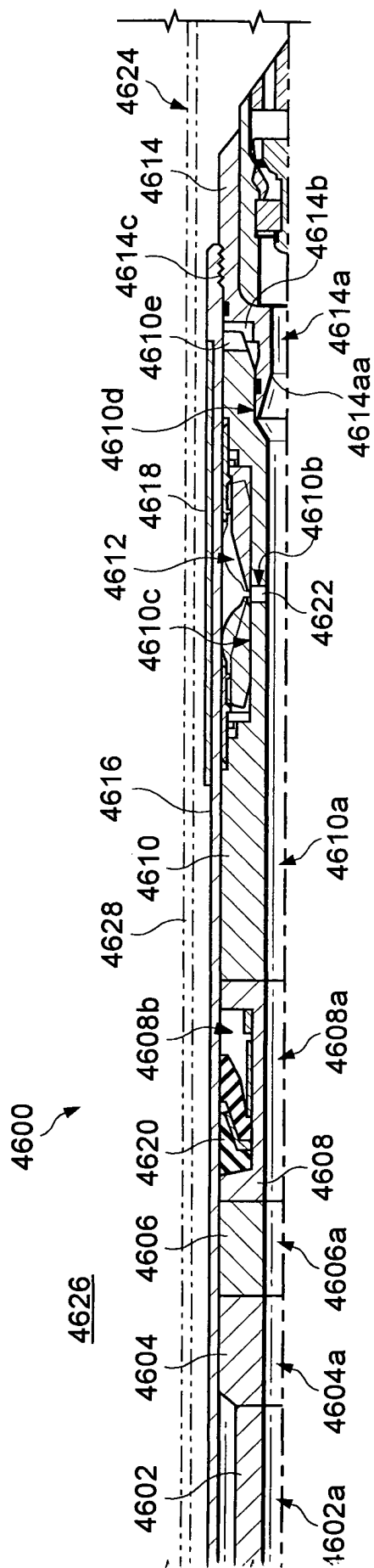


Fig. 46a

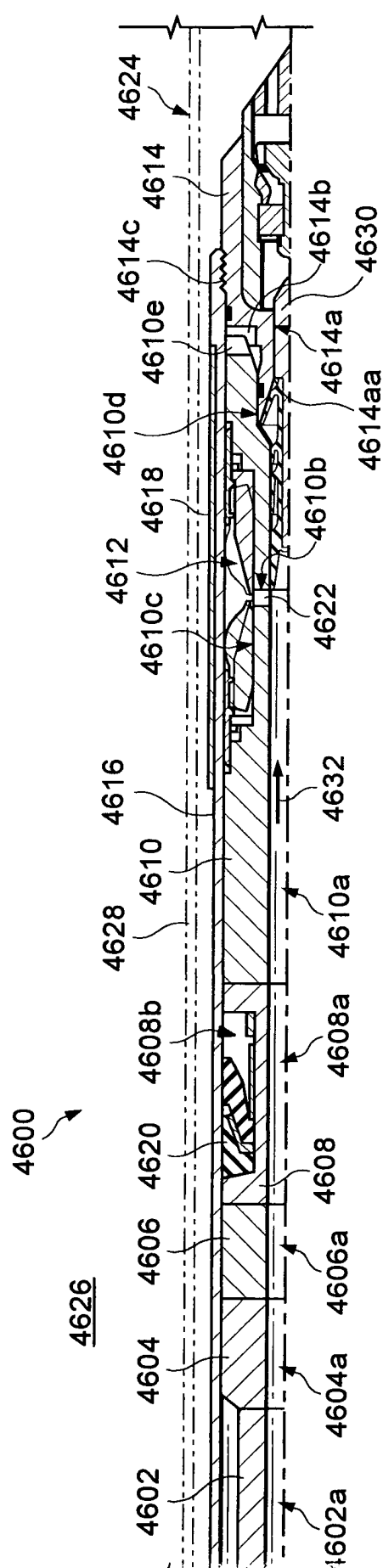


Fig. 46b

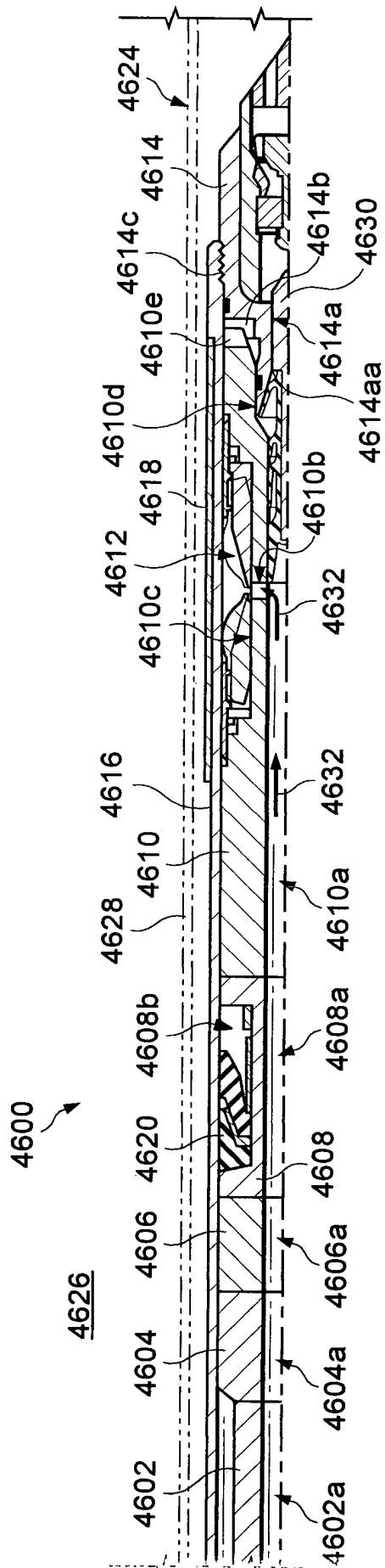


Fig. 46c

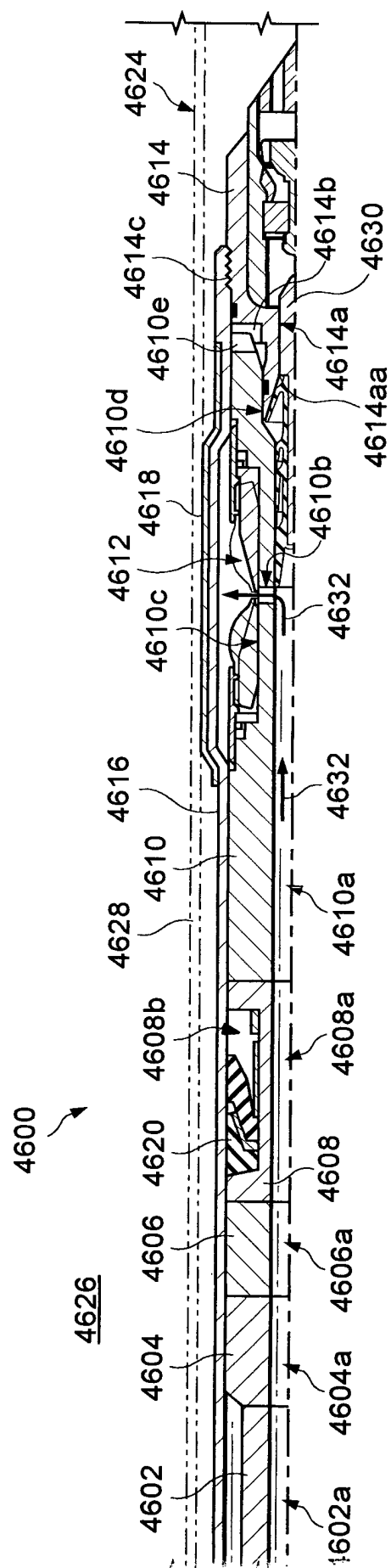
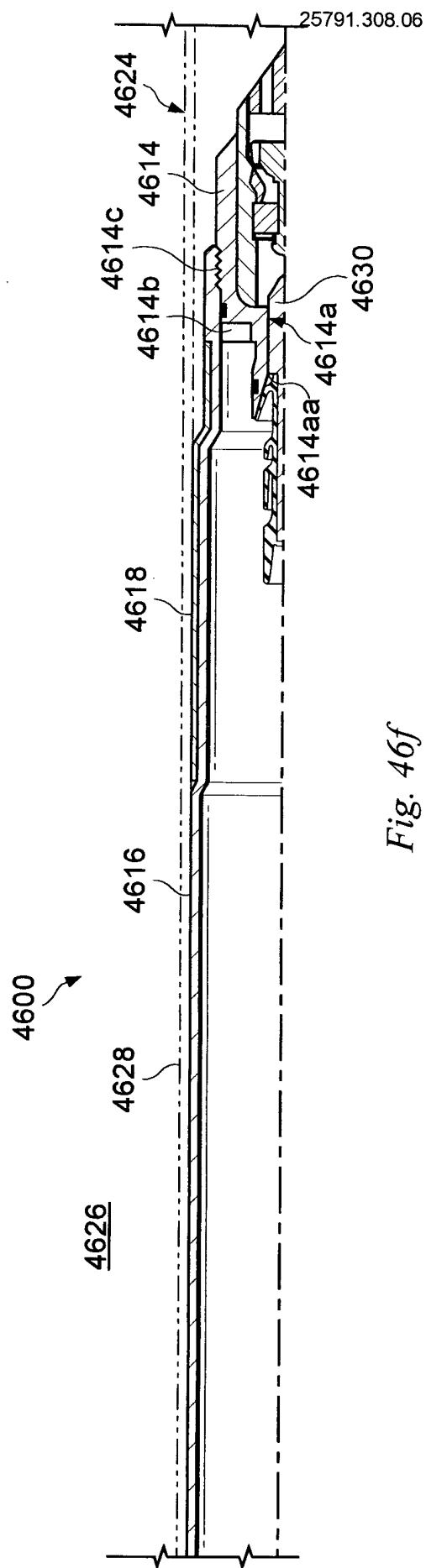
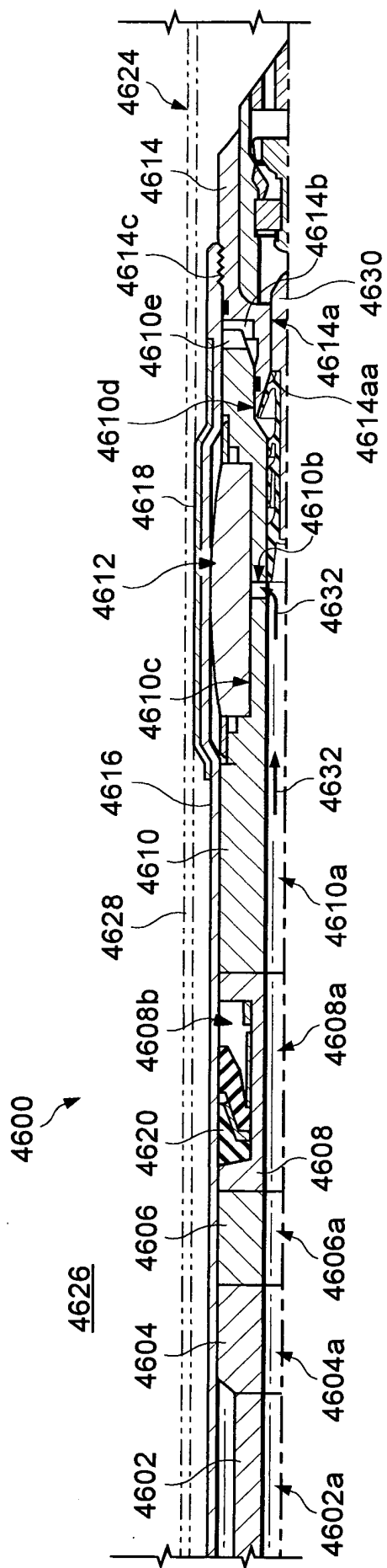
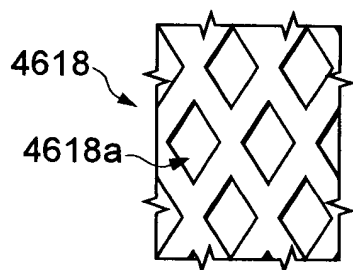
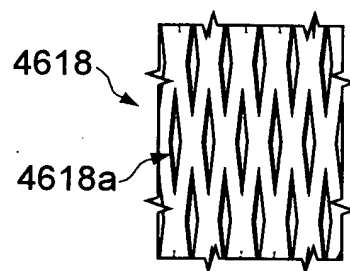
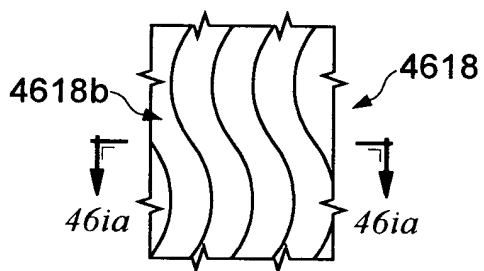
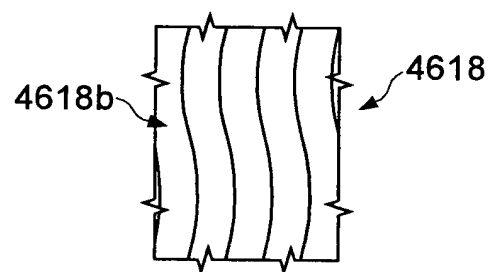
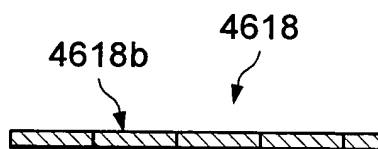


Fig. 46d



*Fig. 46g**Fig. 46h**Fig. 46i**Fig. 46j**Fig. 46ia*

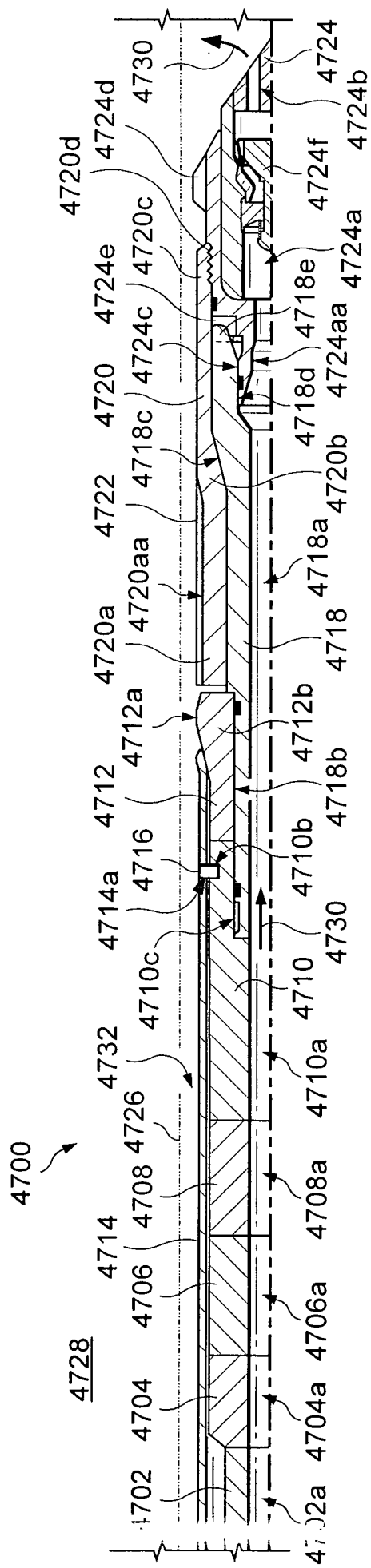


Fig. 47a

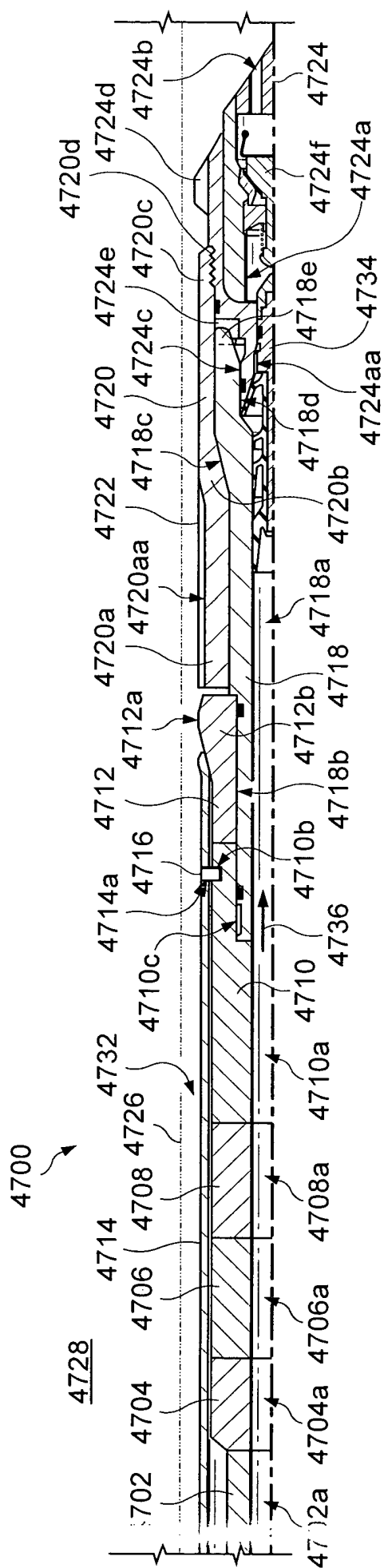


Fig. 47b

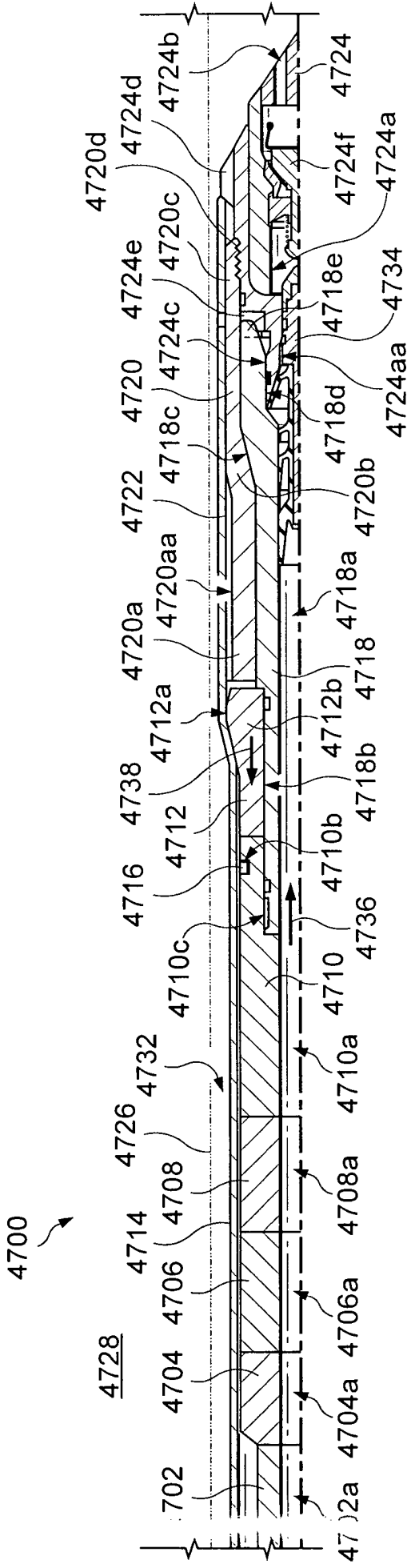


Fig. 47c

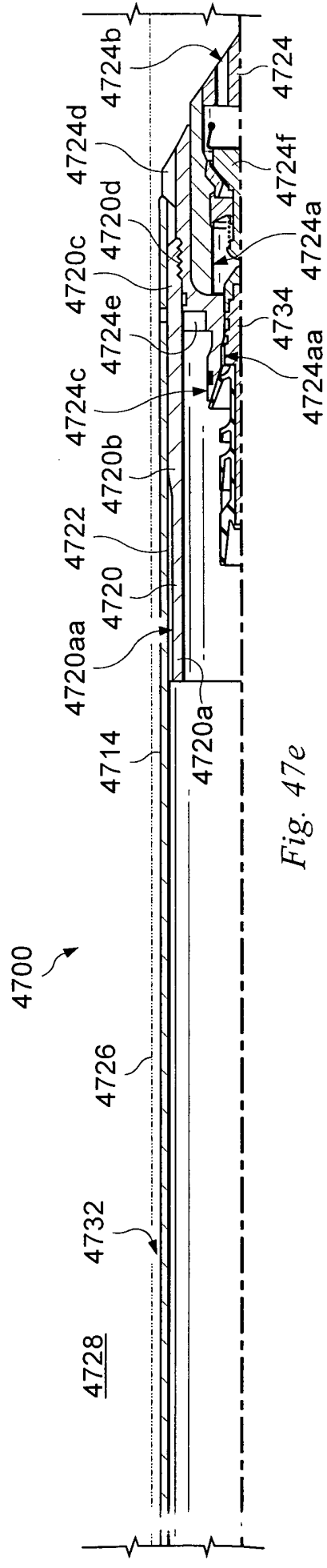


Fig. 47e

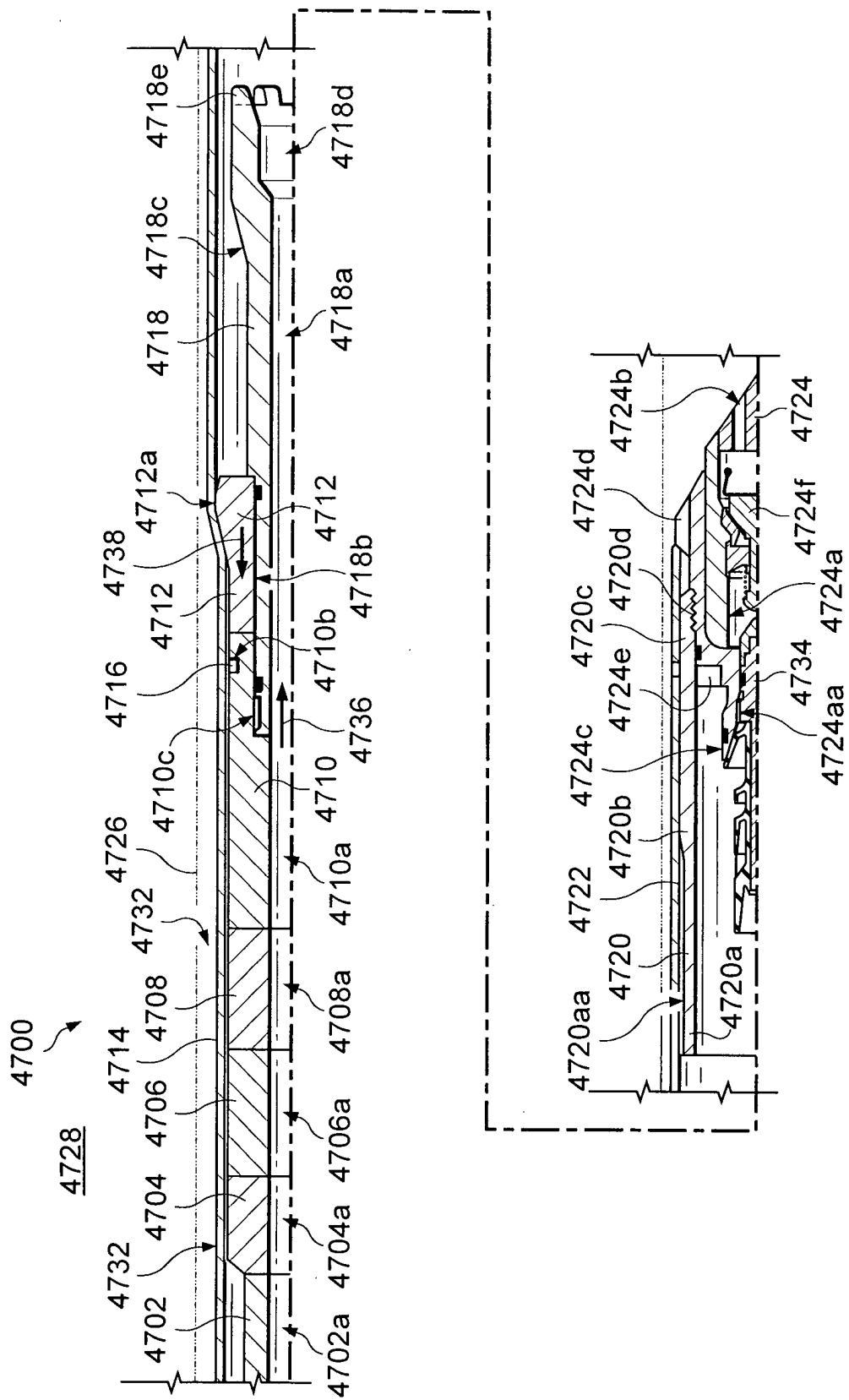


Fig. 47d

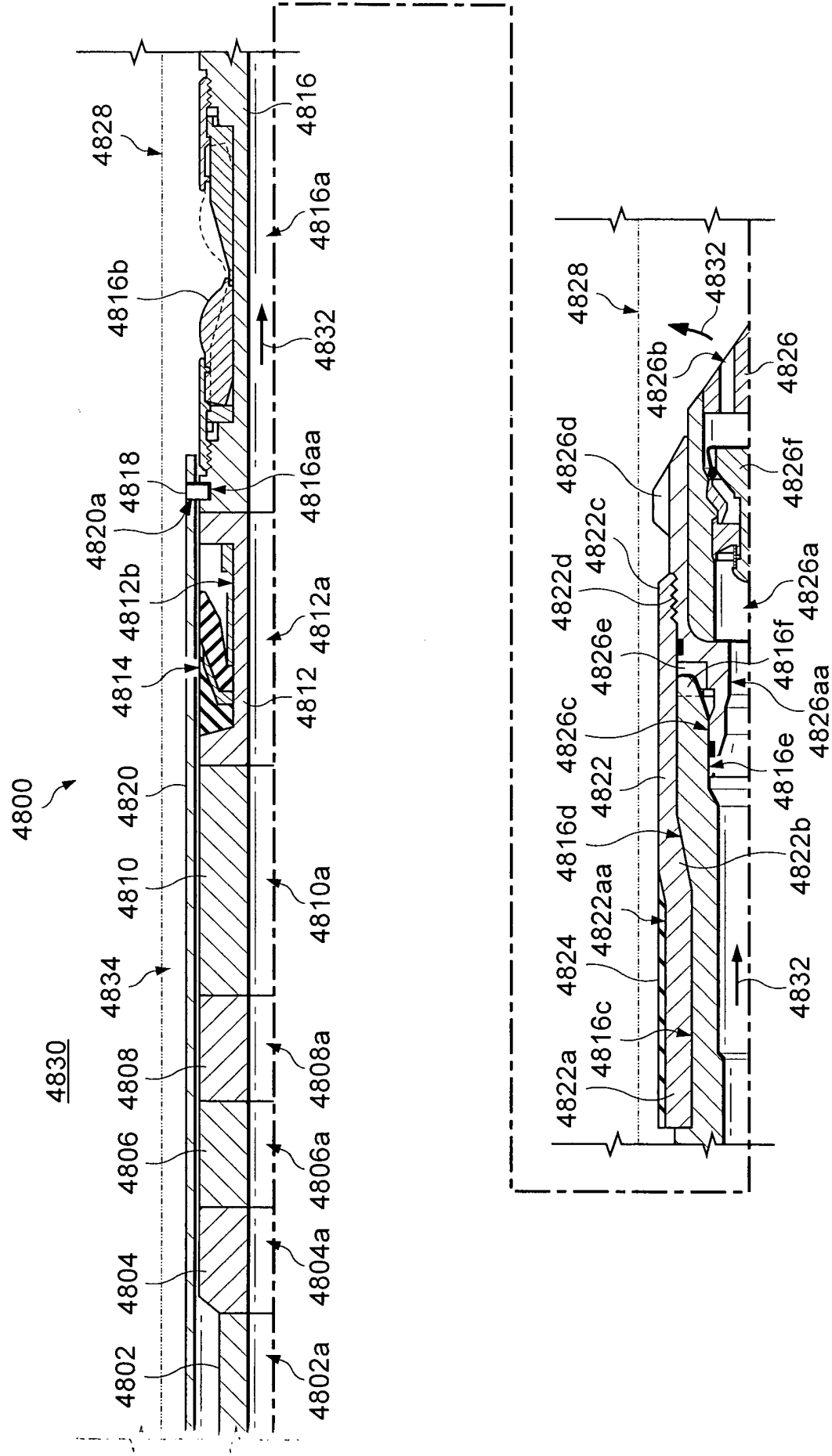


Fig. 48a

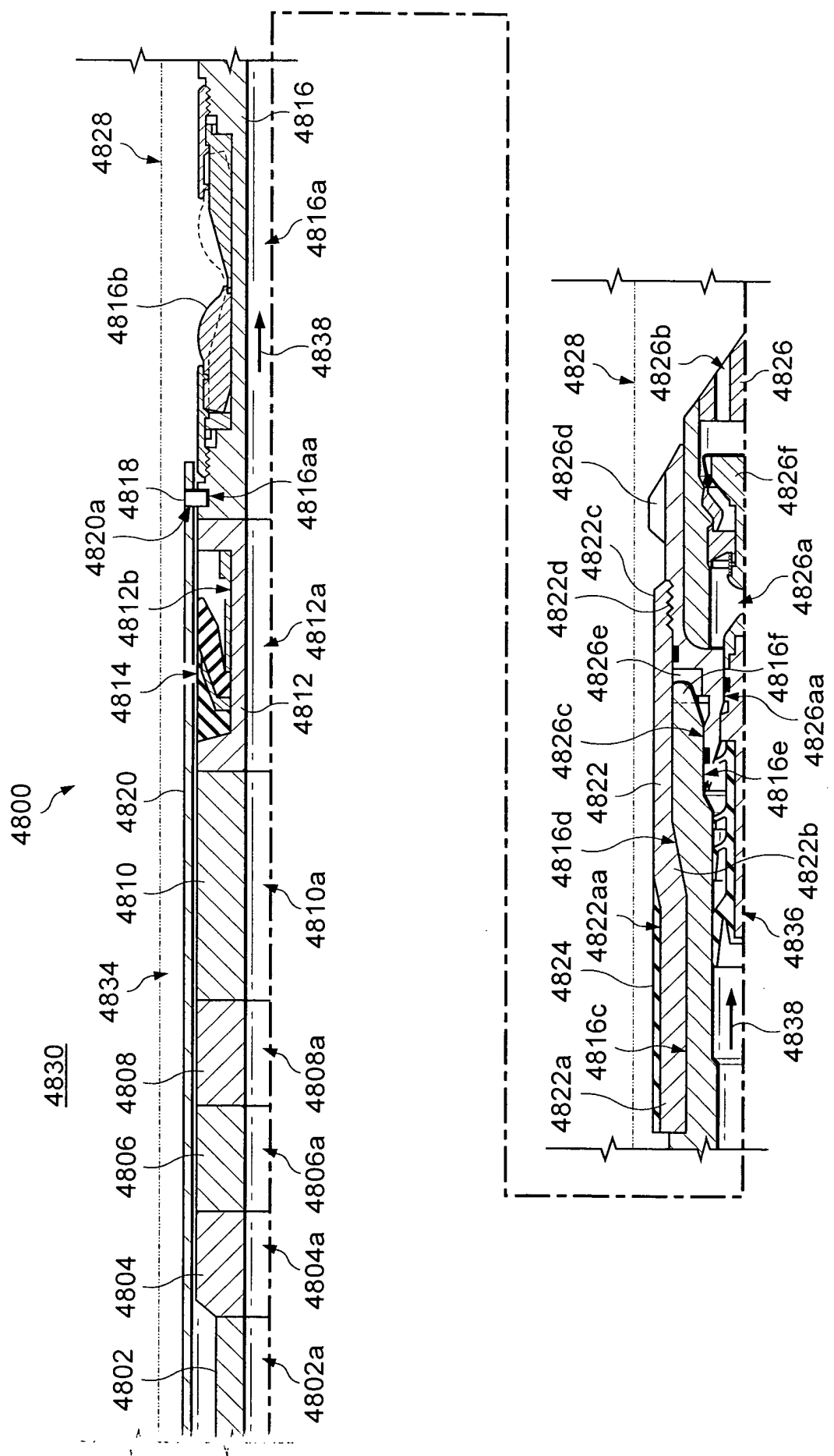


Fig. 48b

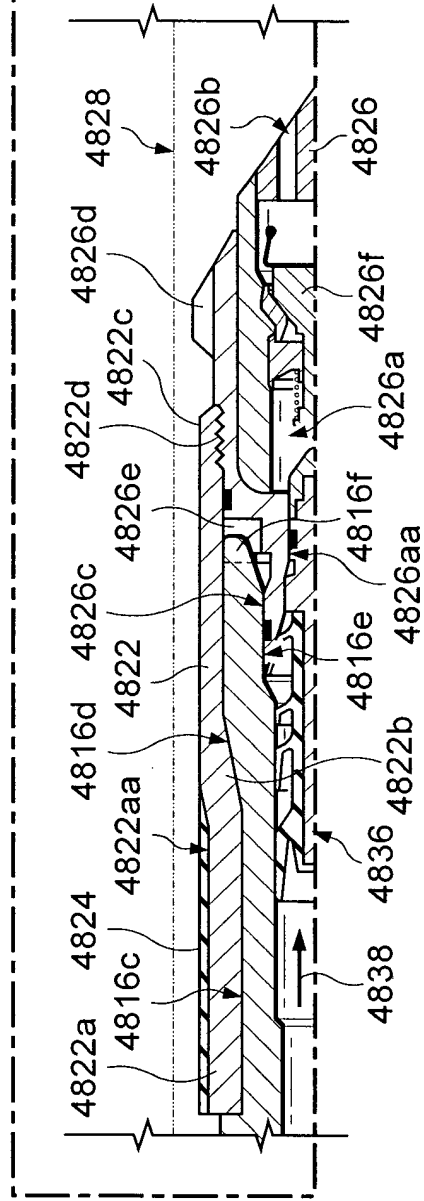
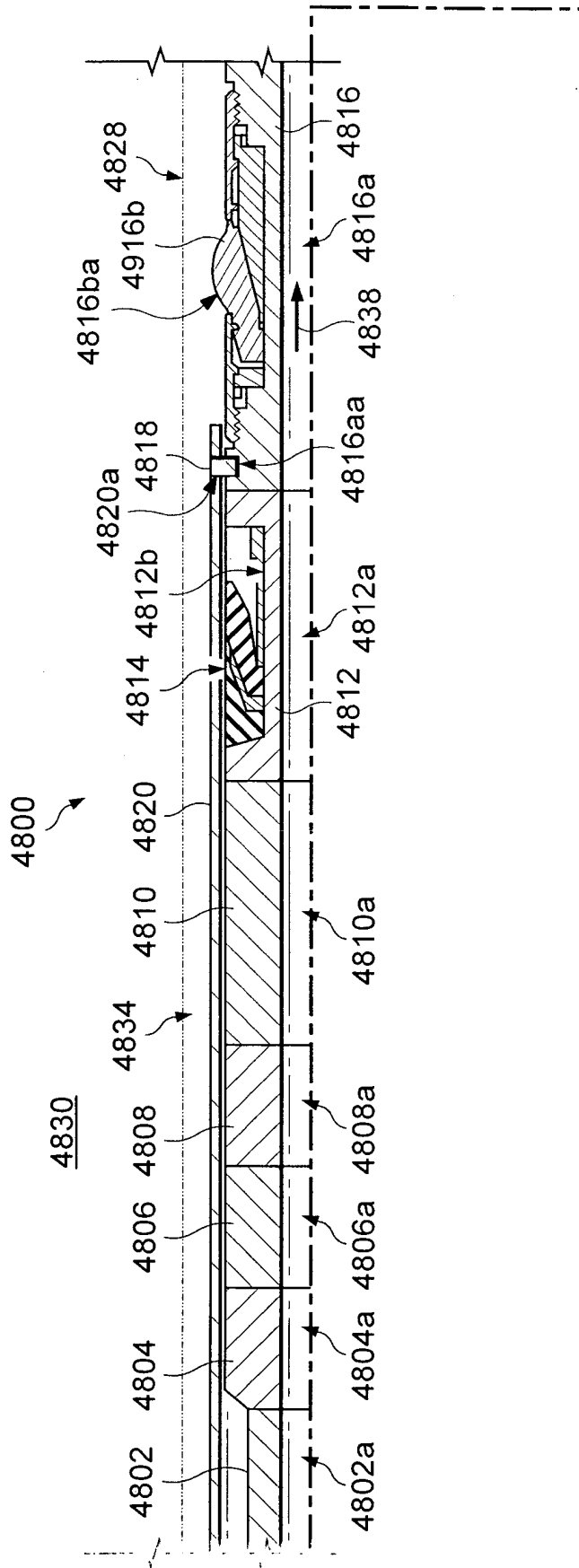


Fig. 48c

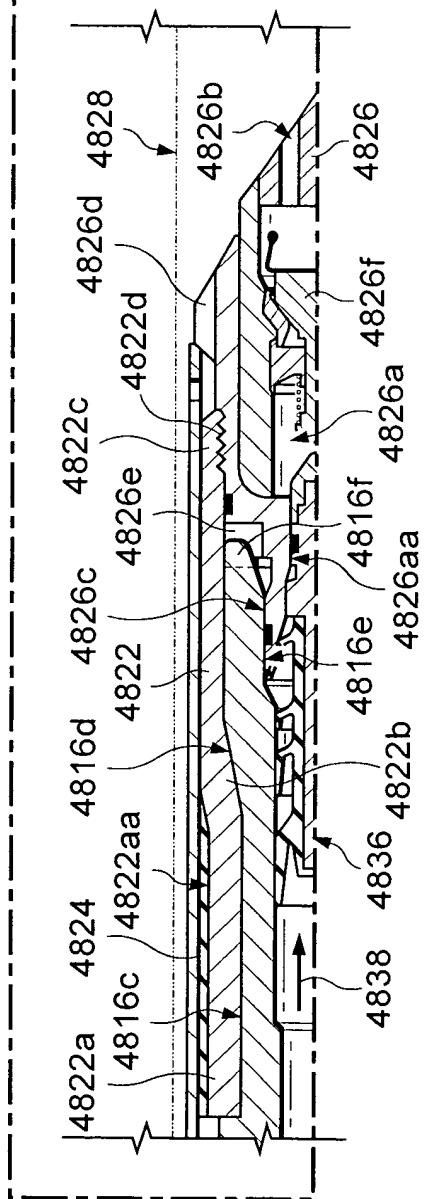
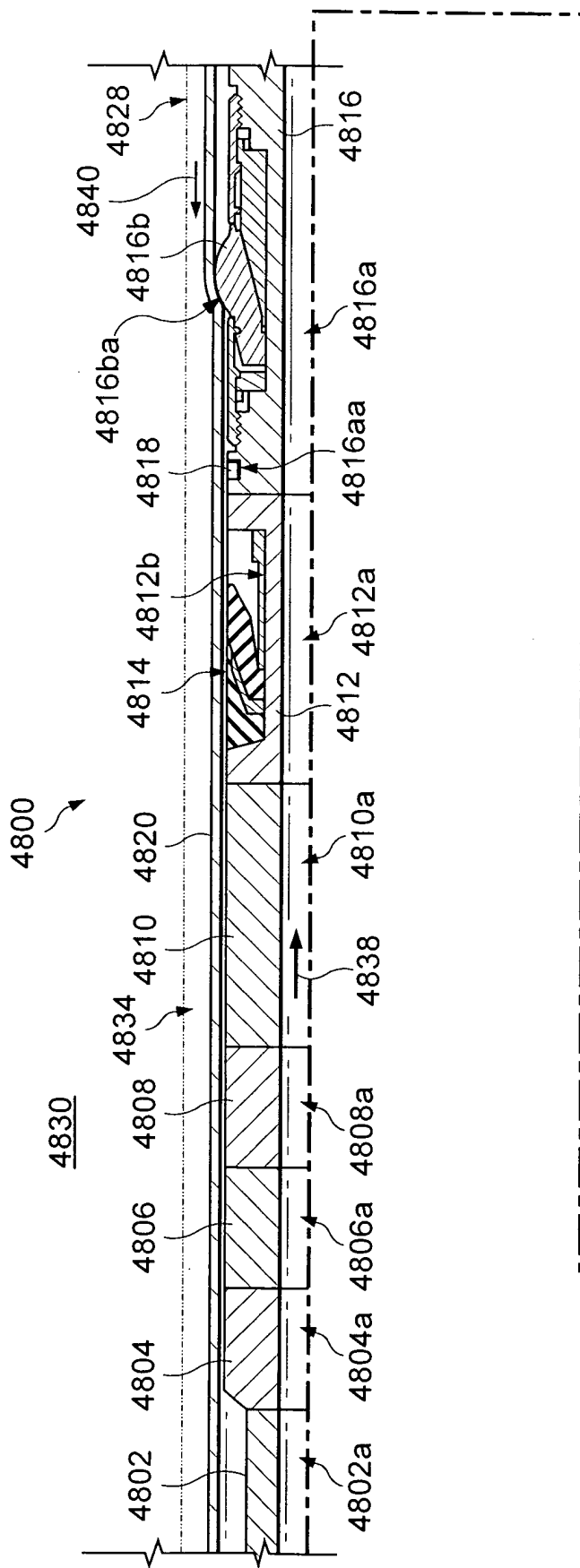
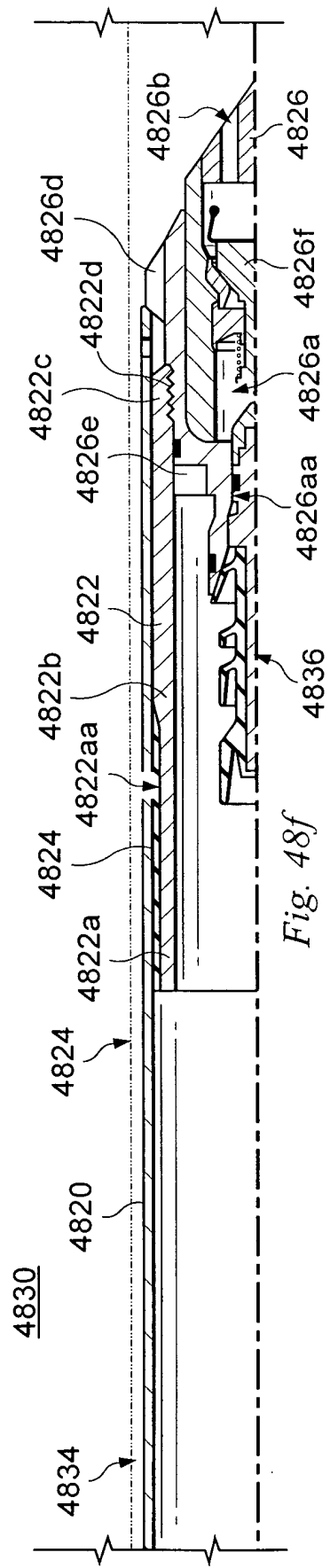
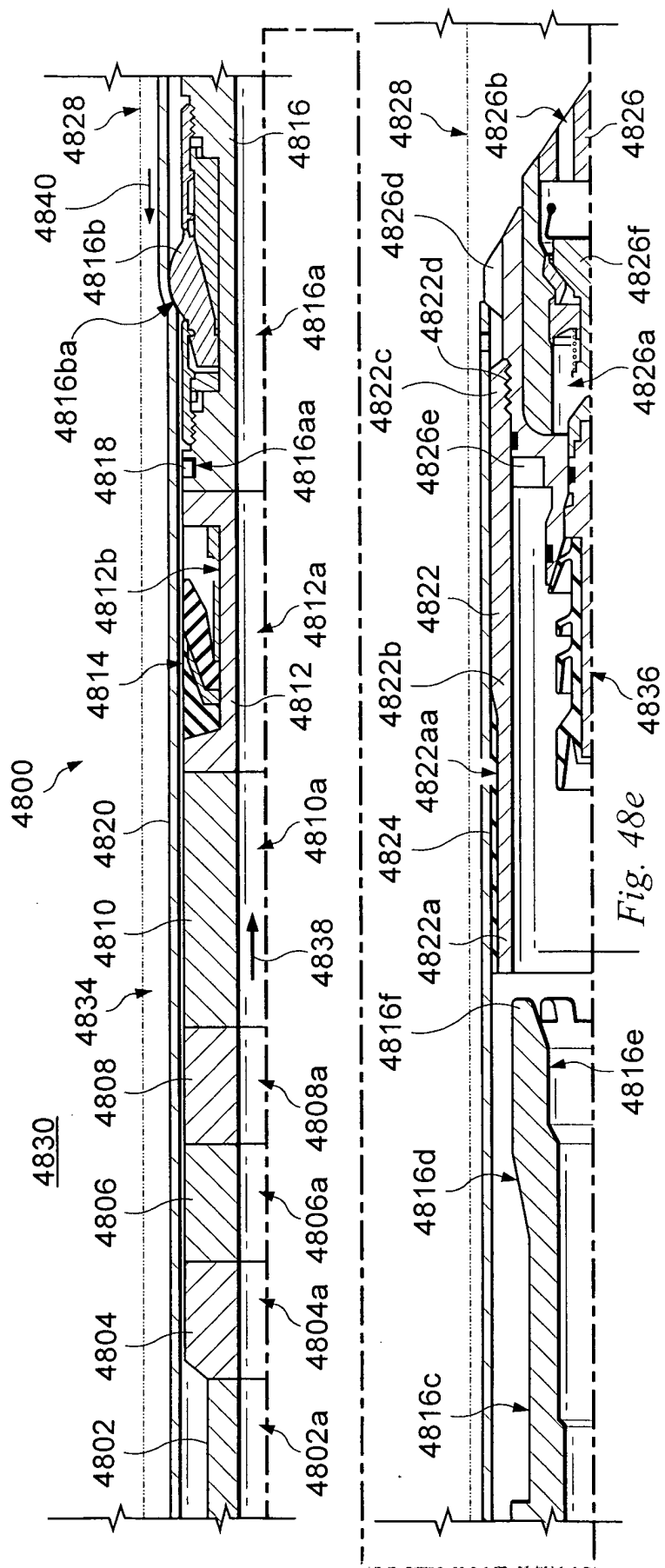


Fig. 48d



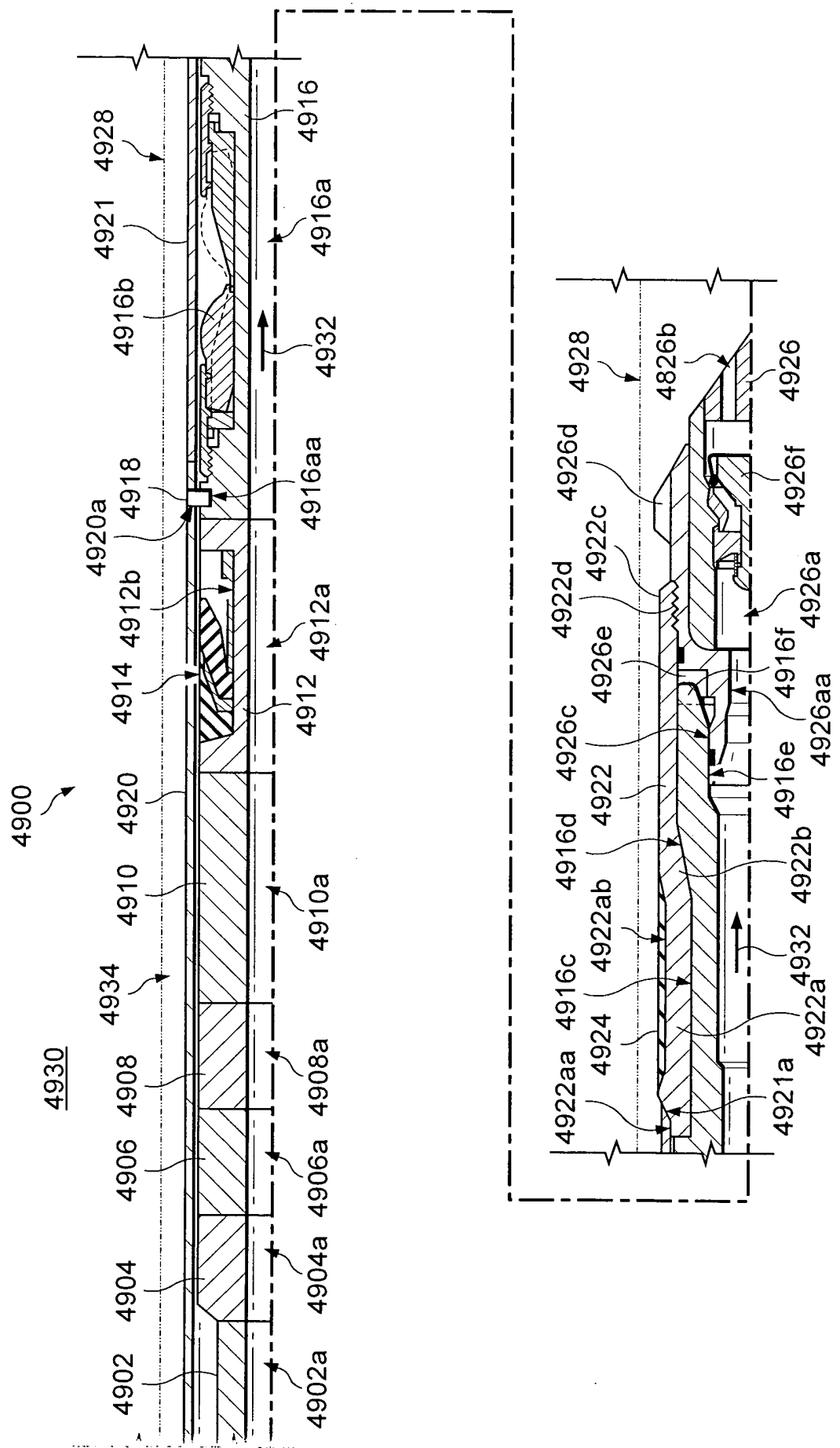


Fig. 49a

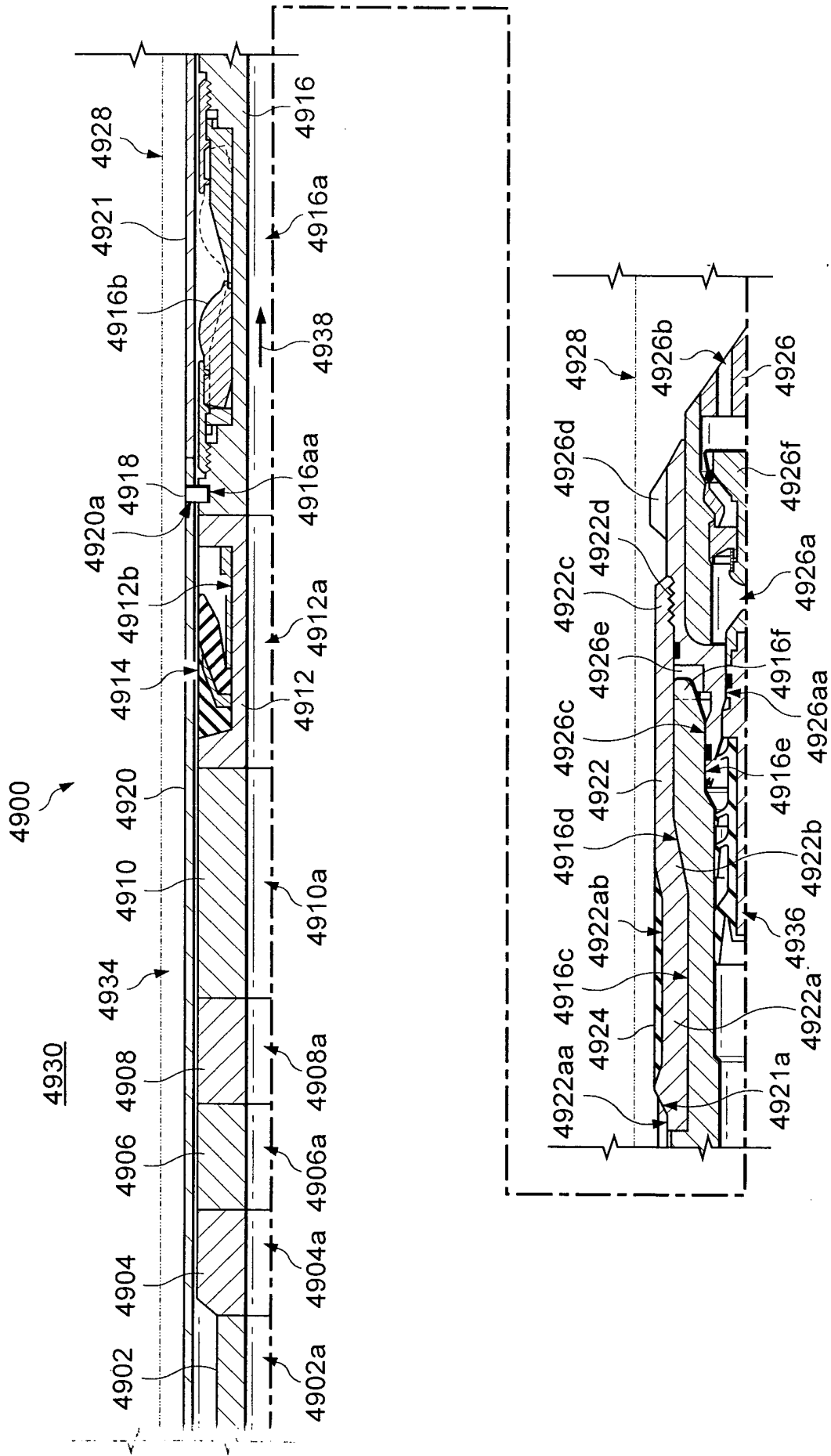


Fig. 49b

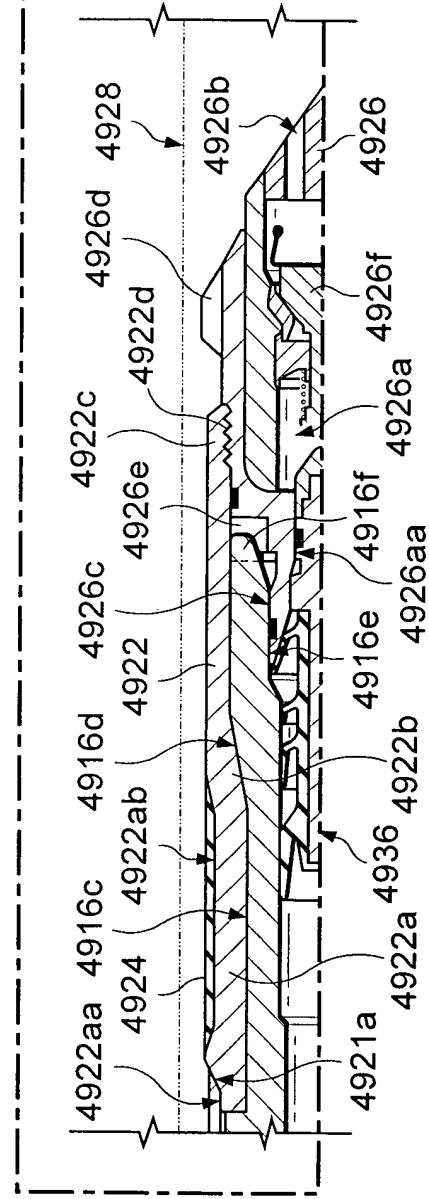
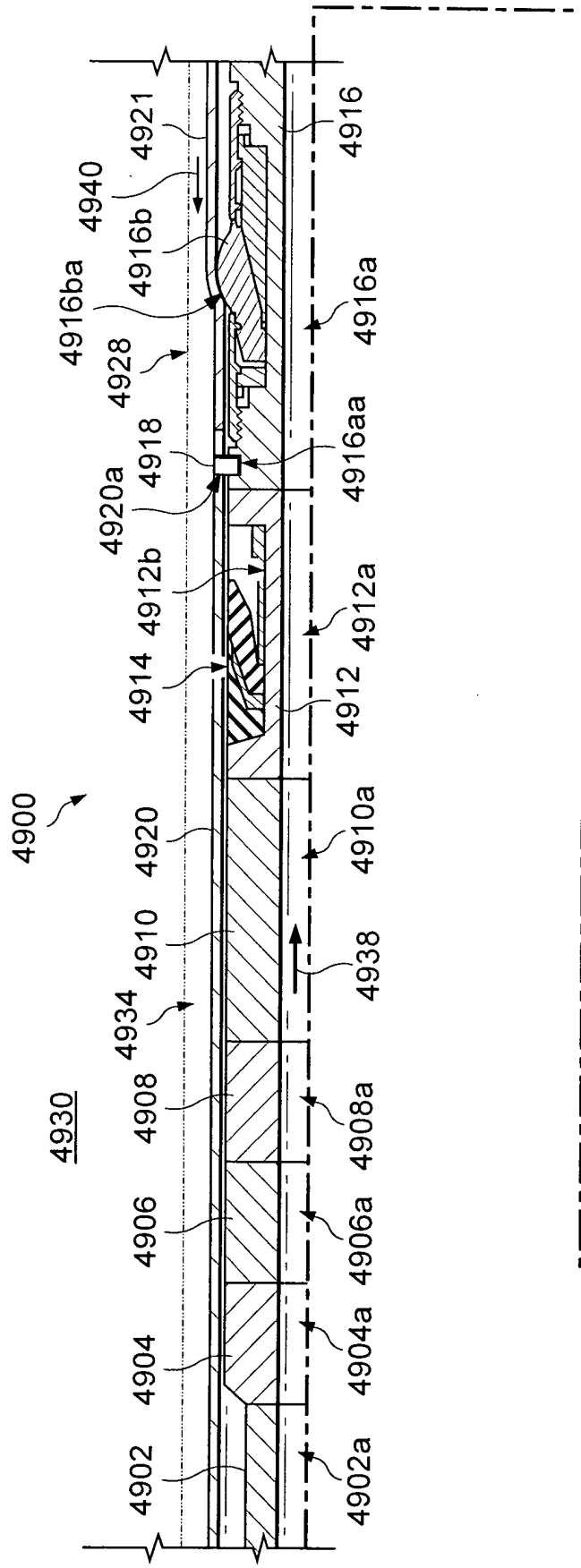


Fig. 49c

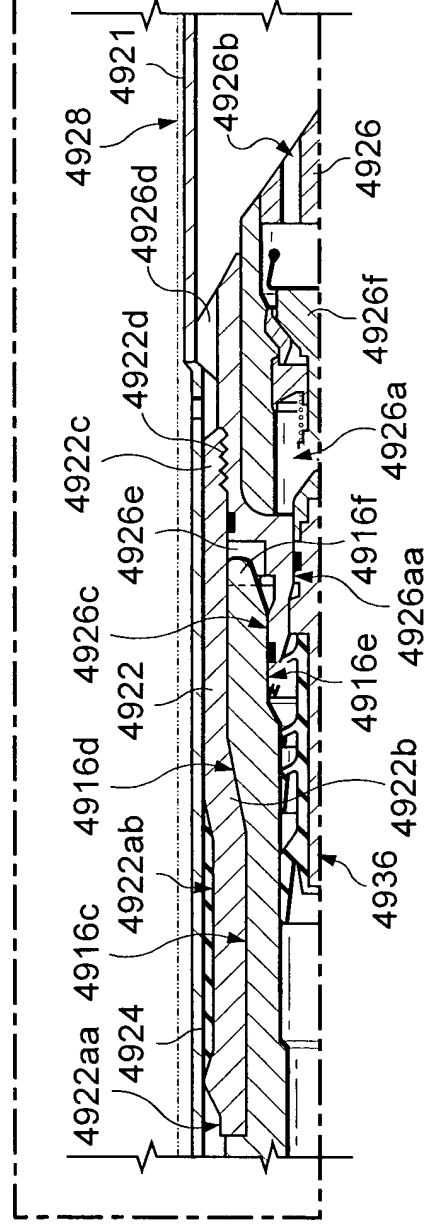
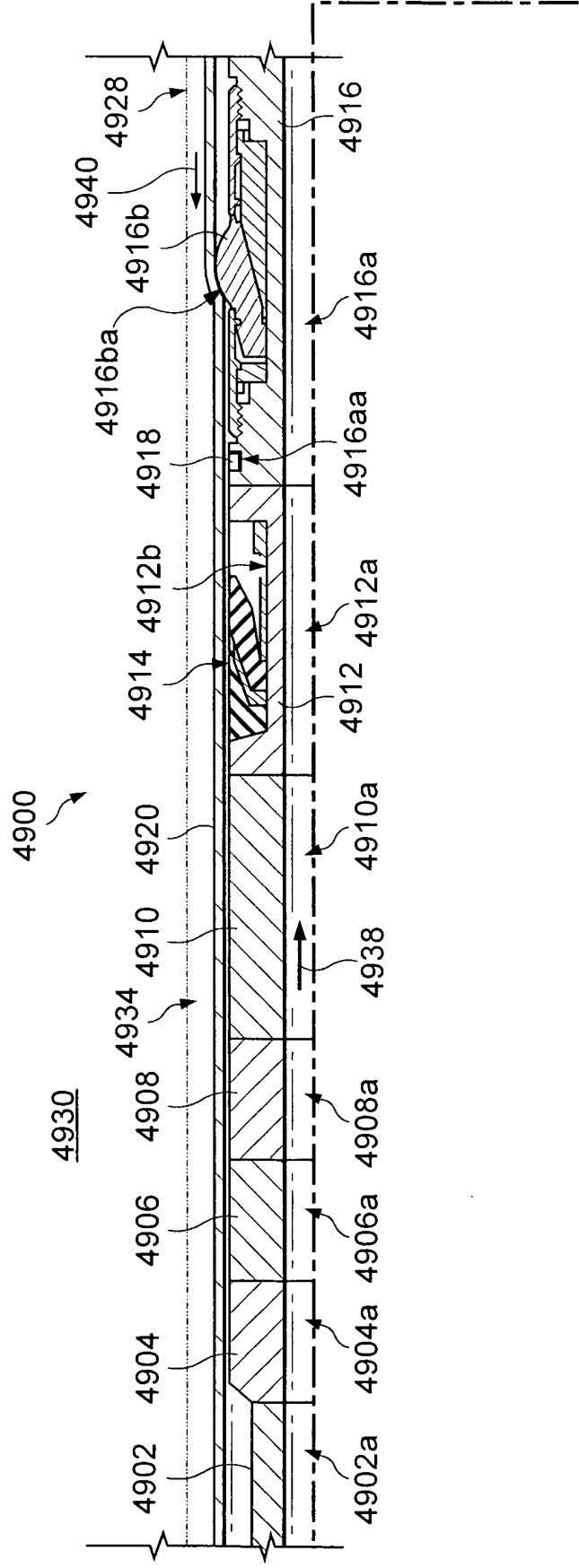


Fig. 49d

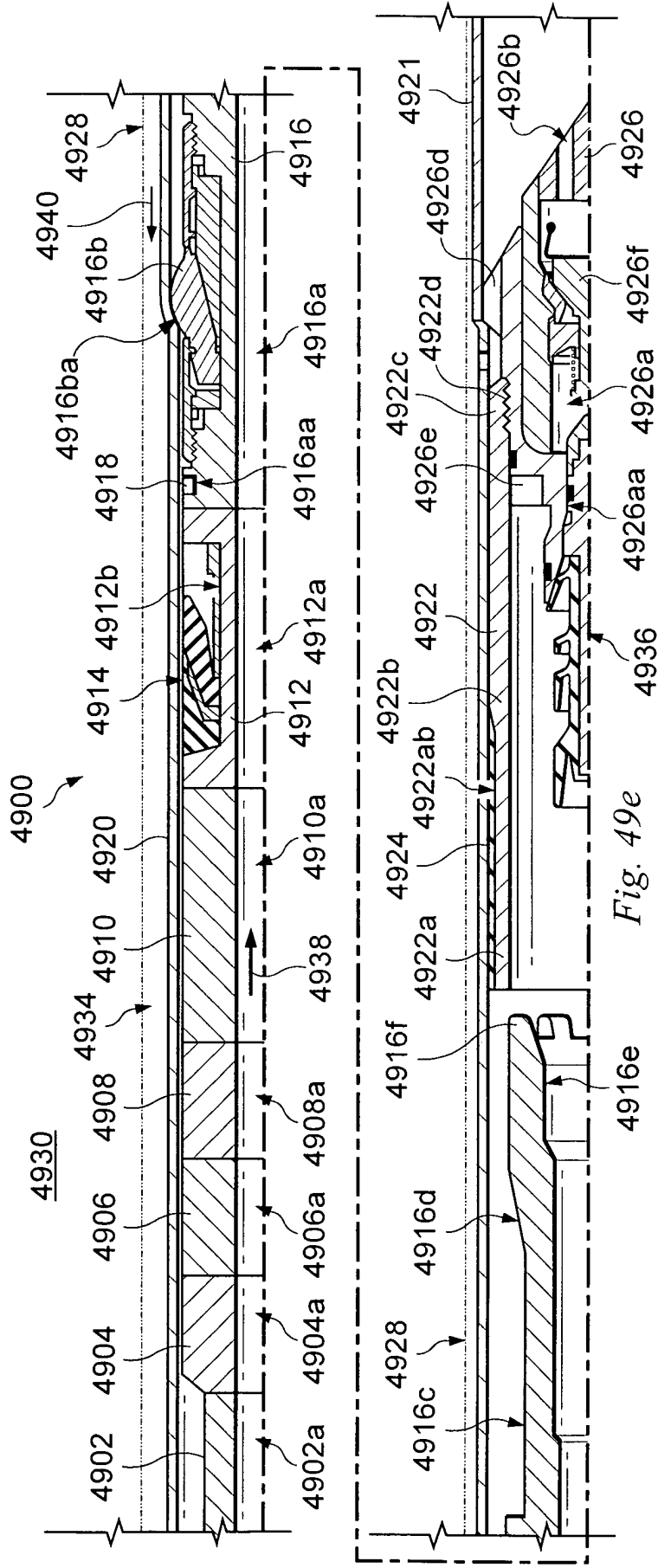


Fig. 49e

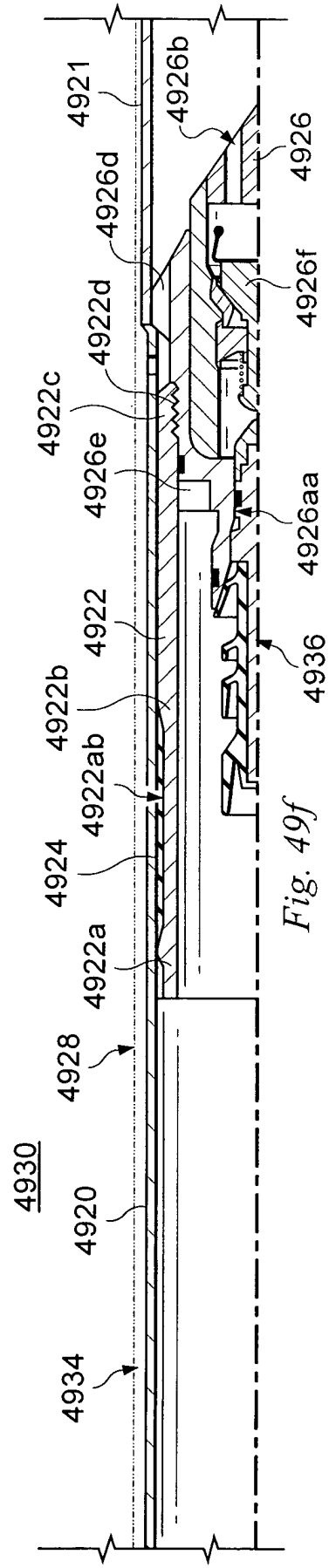


Fig. 49f

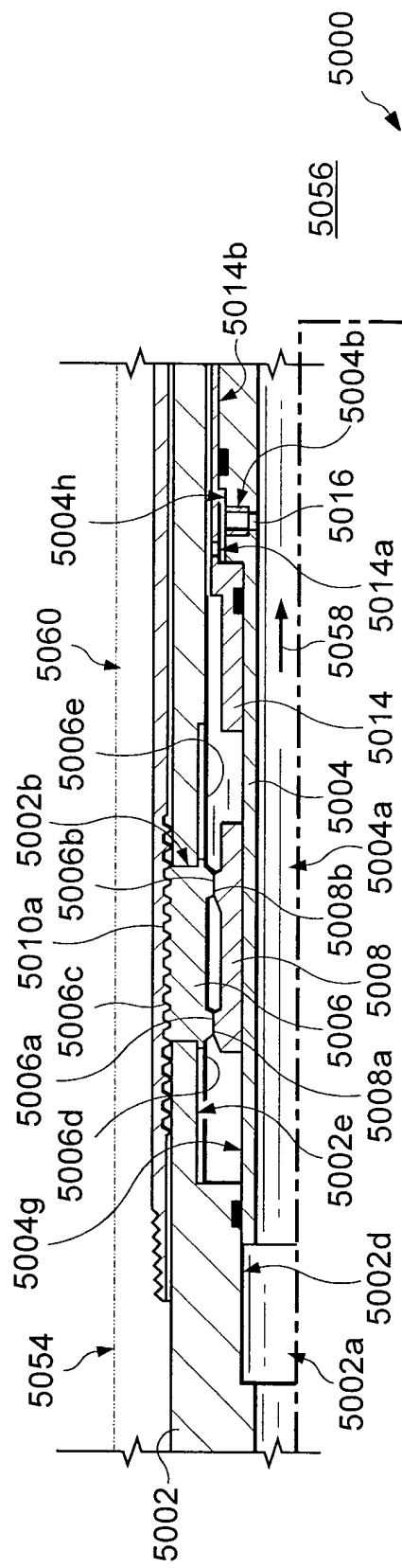
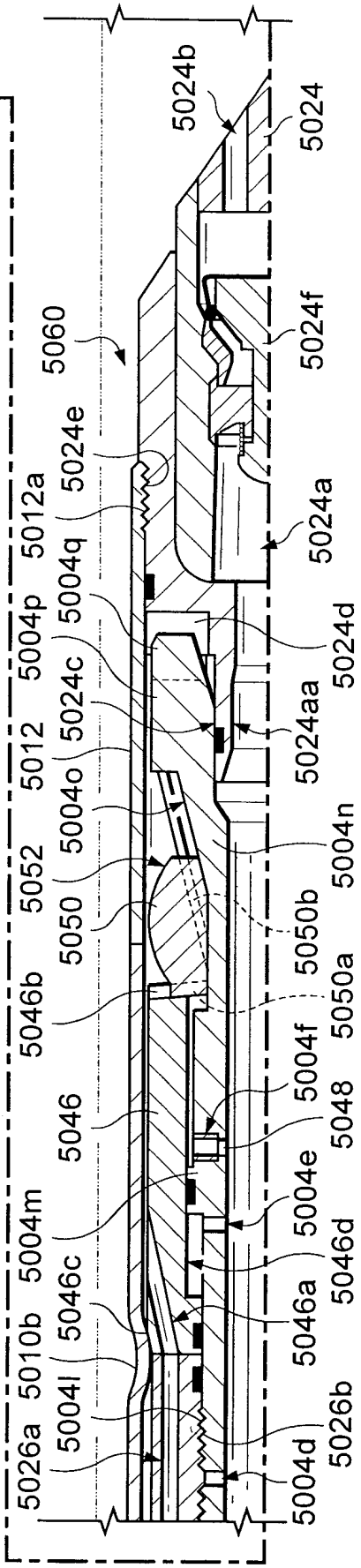
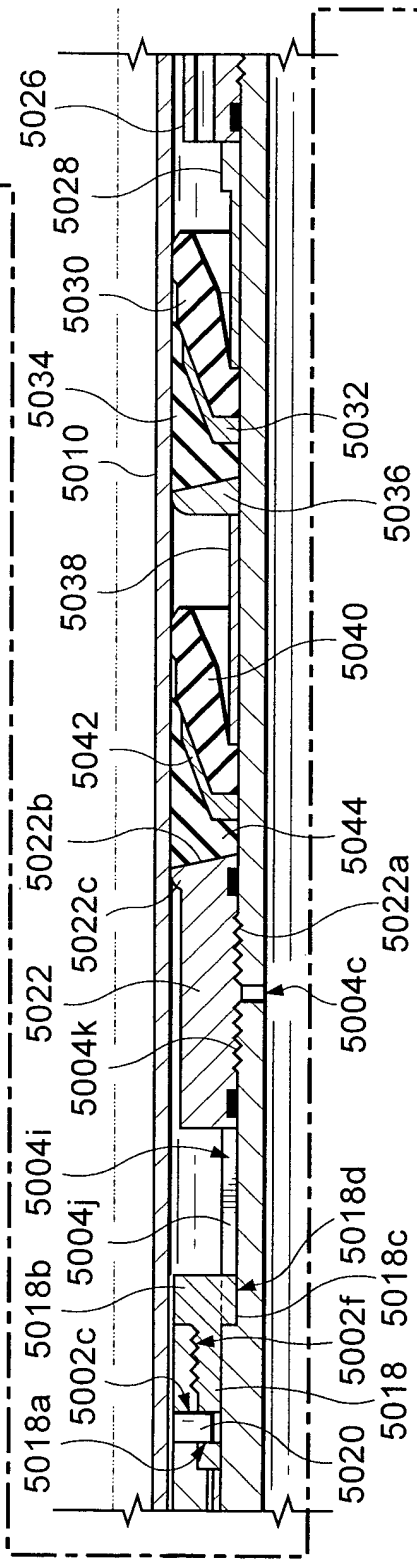
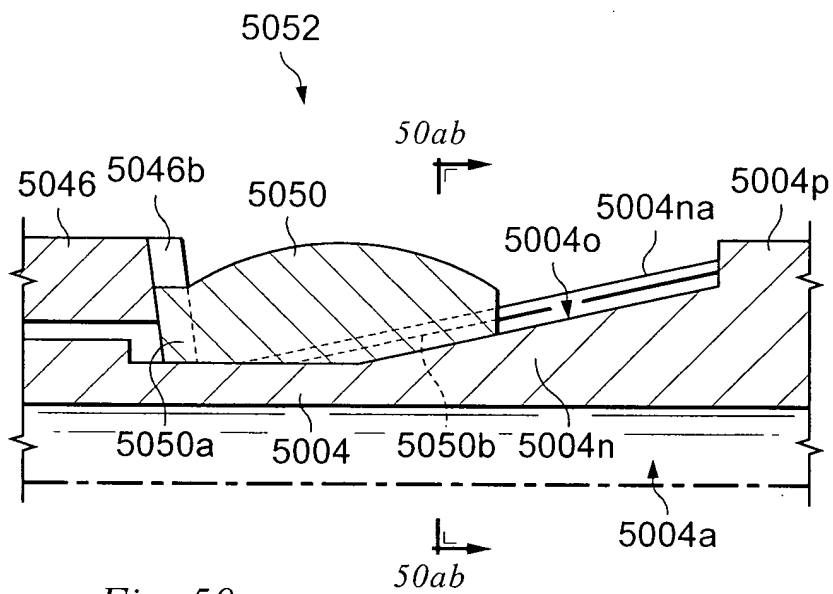
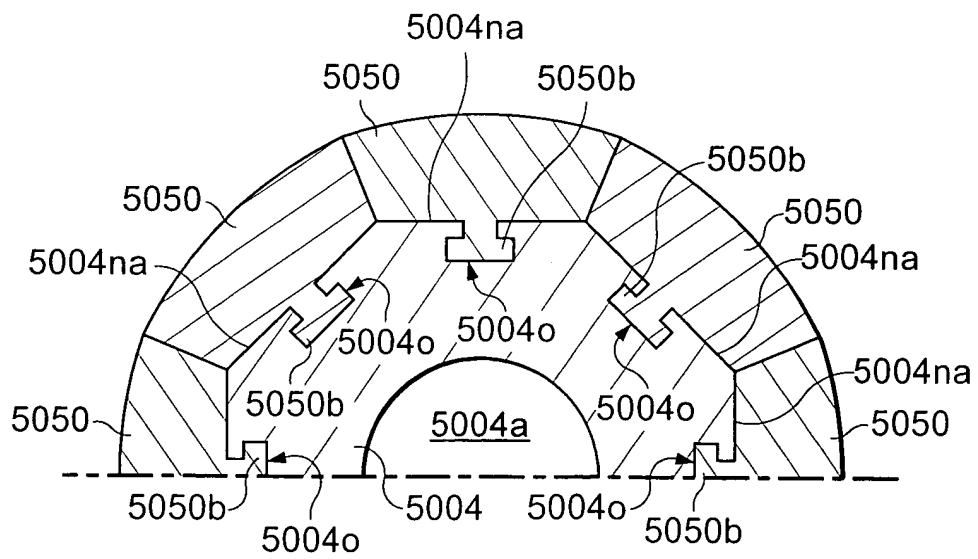


Fig. 50a





*Fig. 50aa*



*Fig. 50ab*

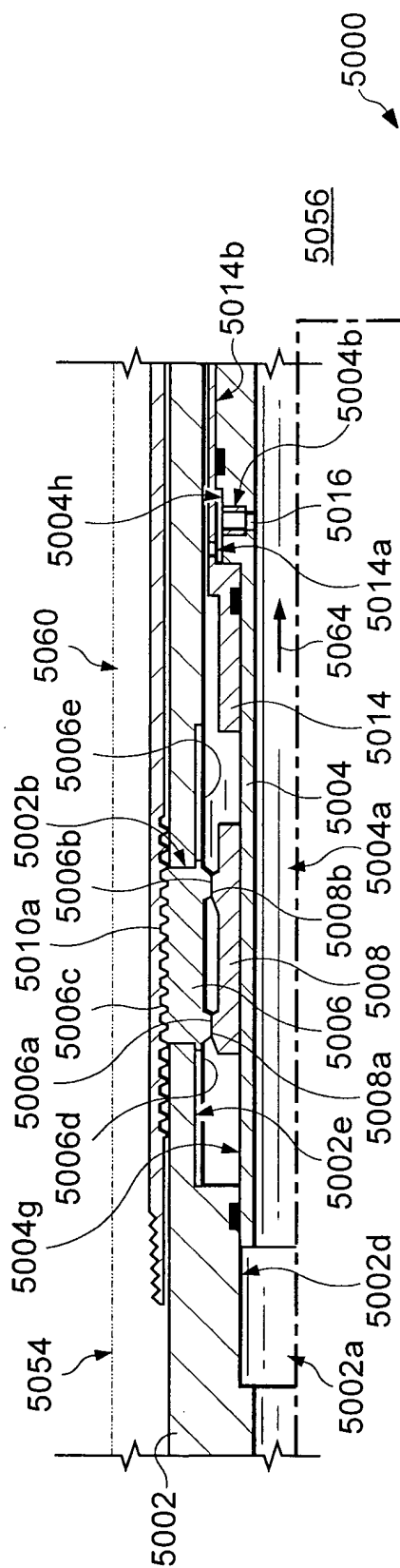
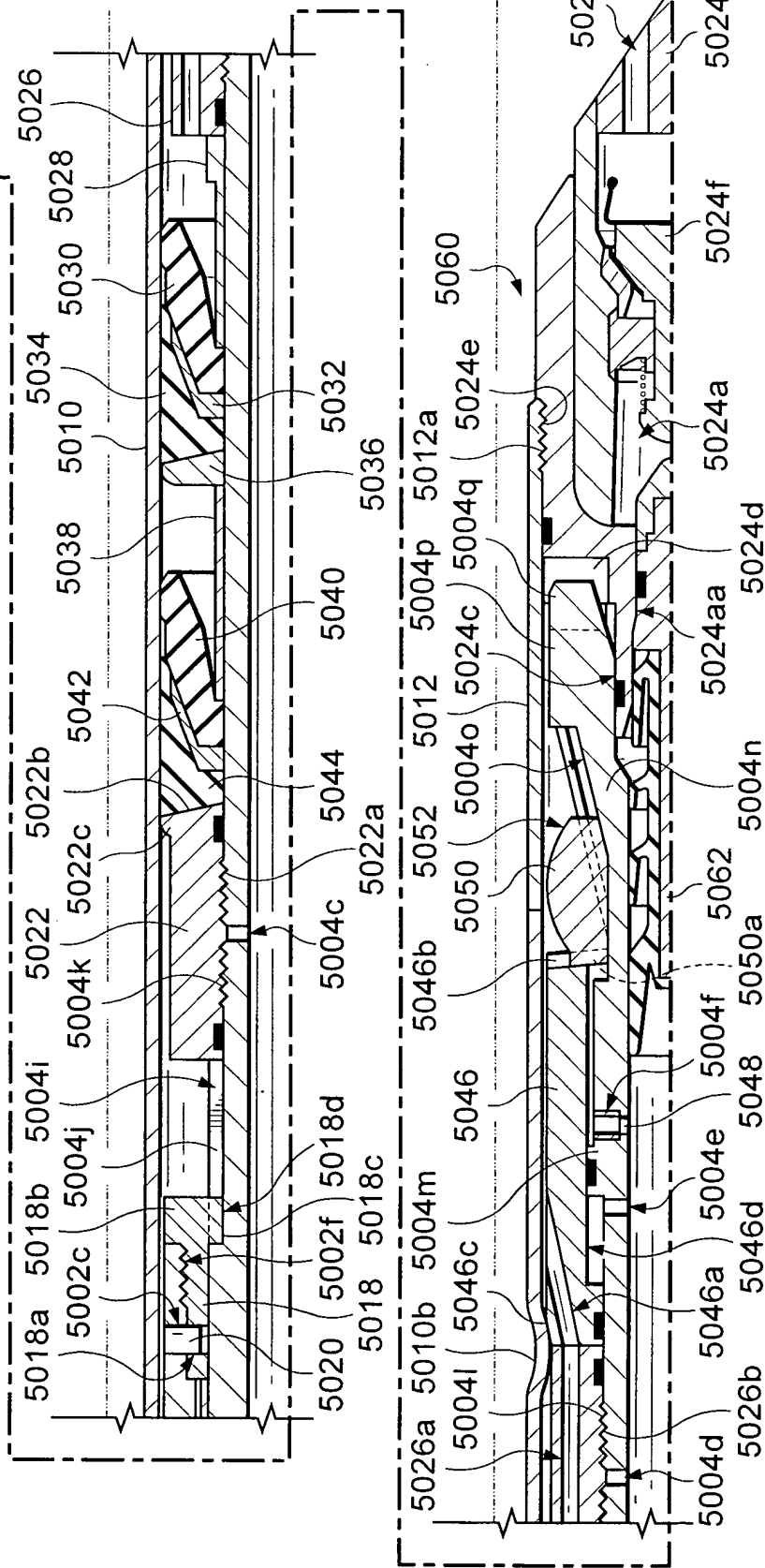


Fig. 50b



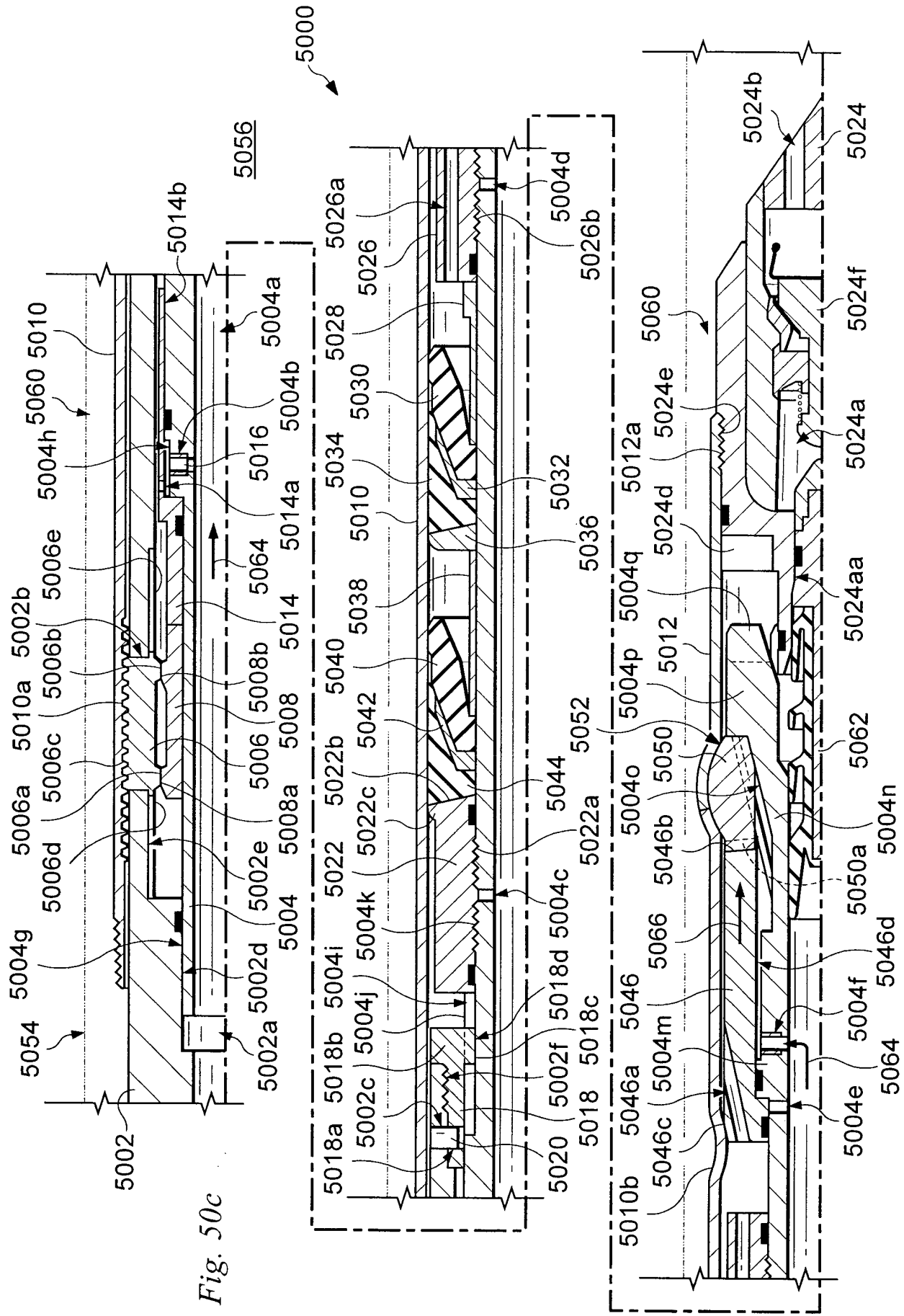
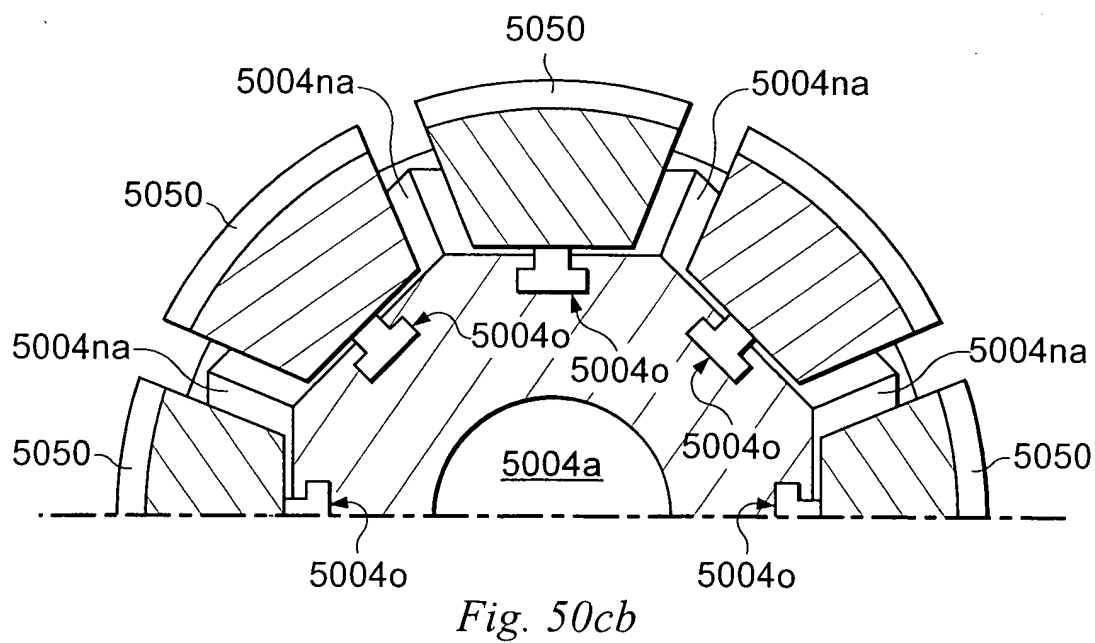
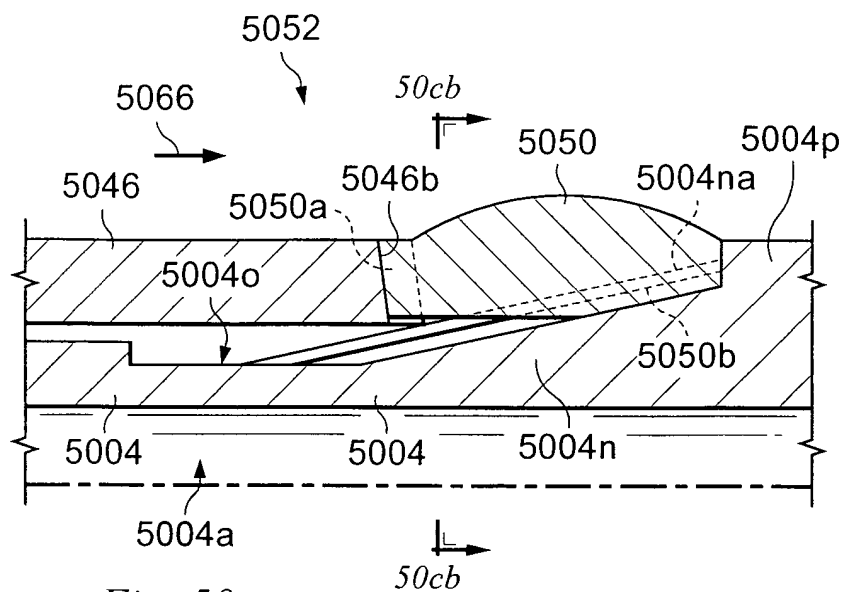


Fig. 50c



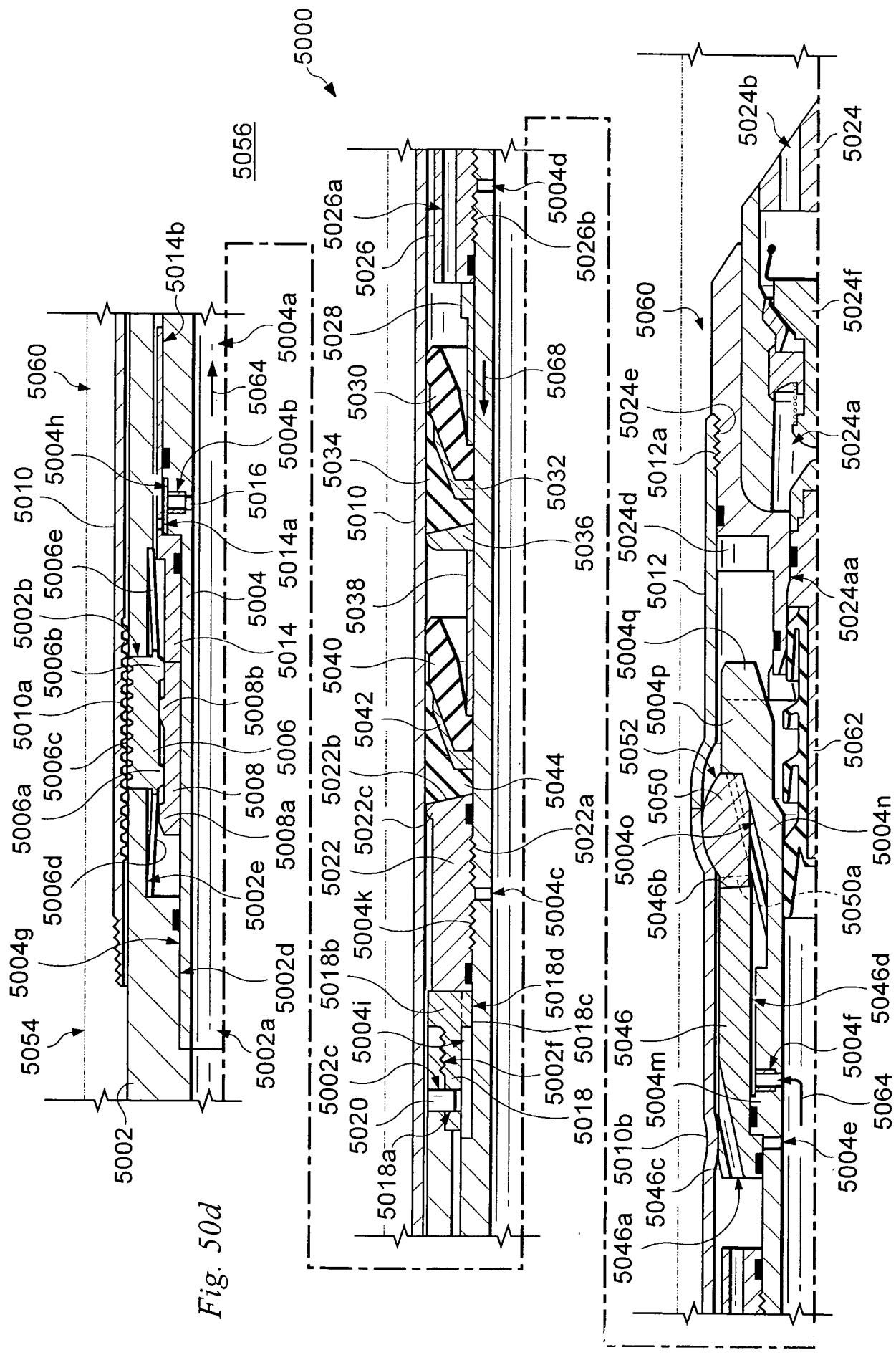


Fig. 50d

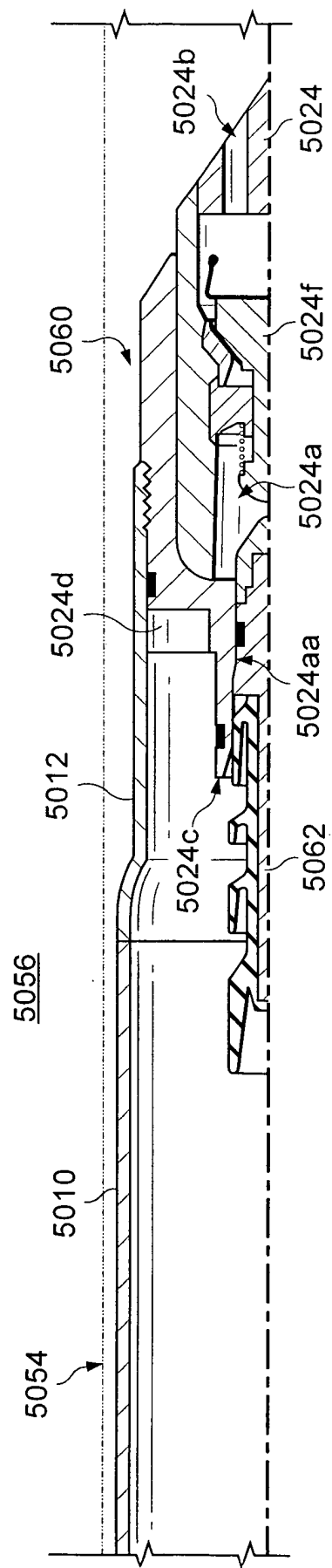


Fig. 50e

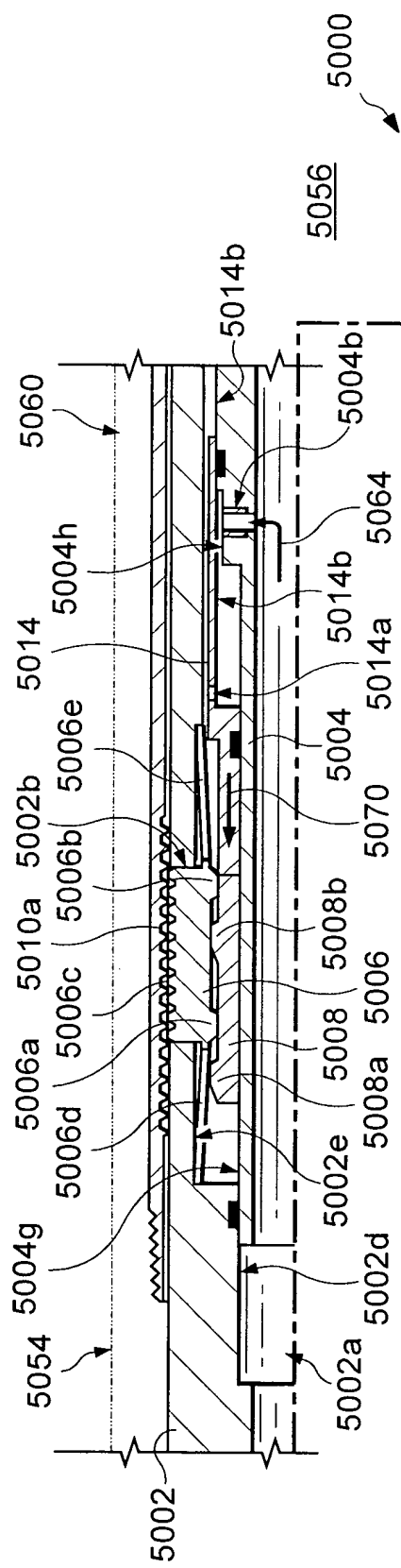
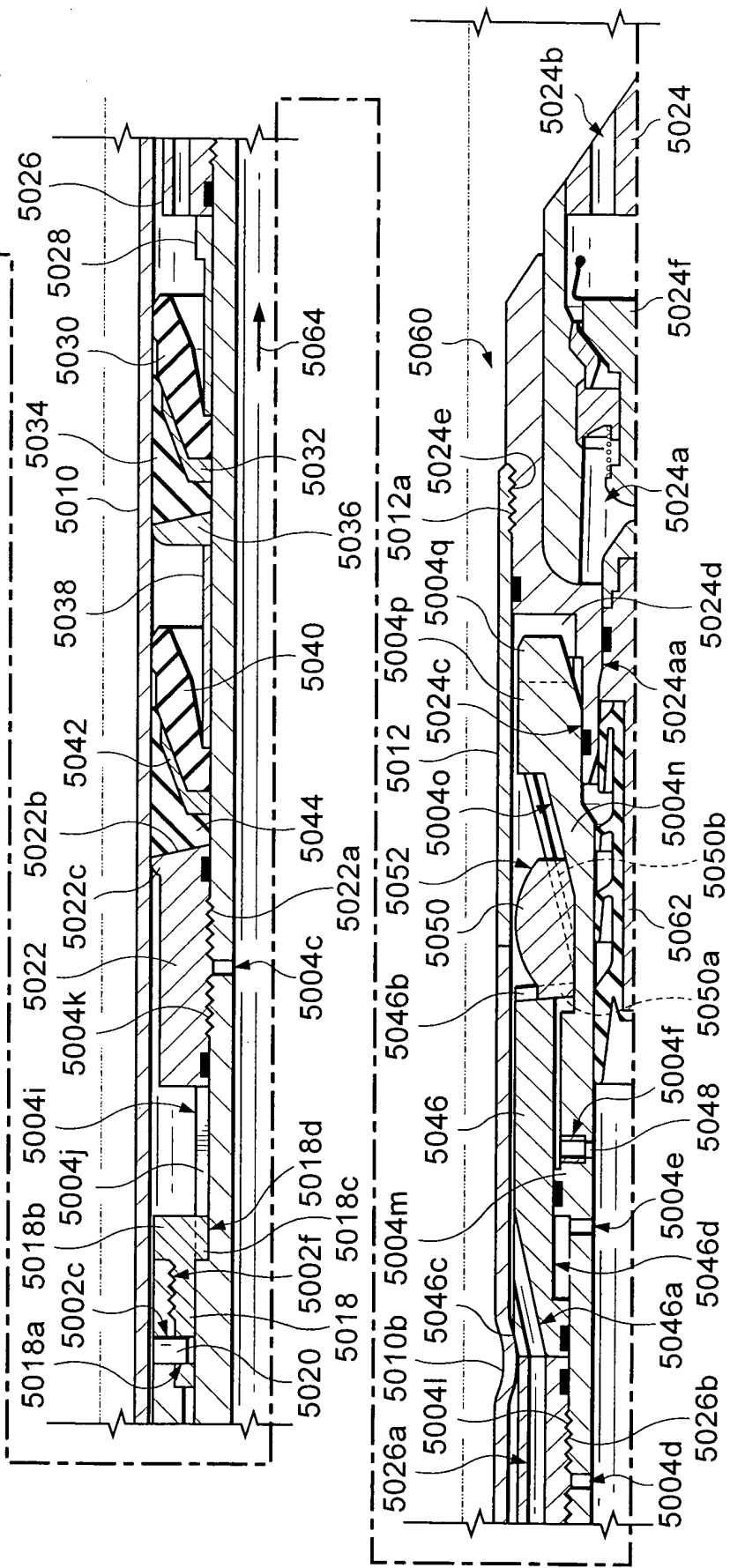
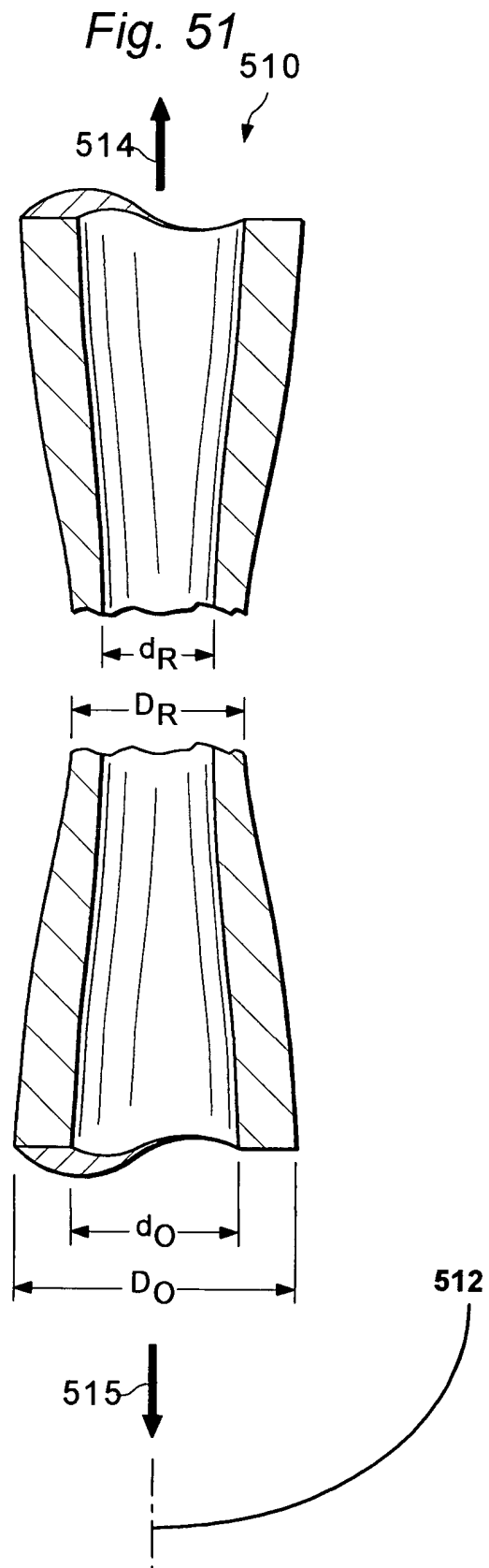
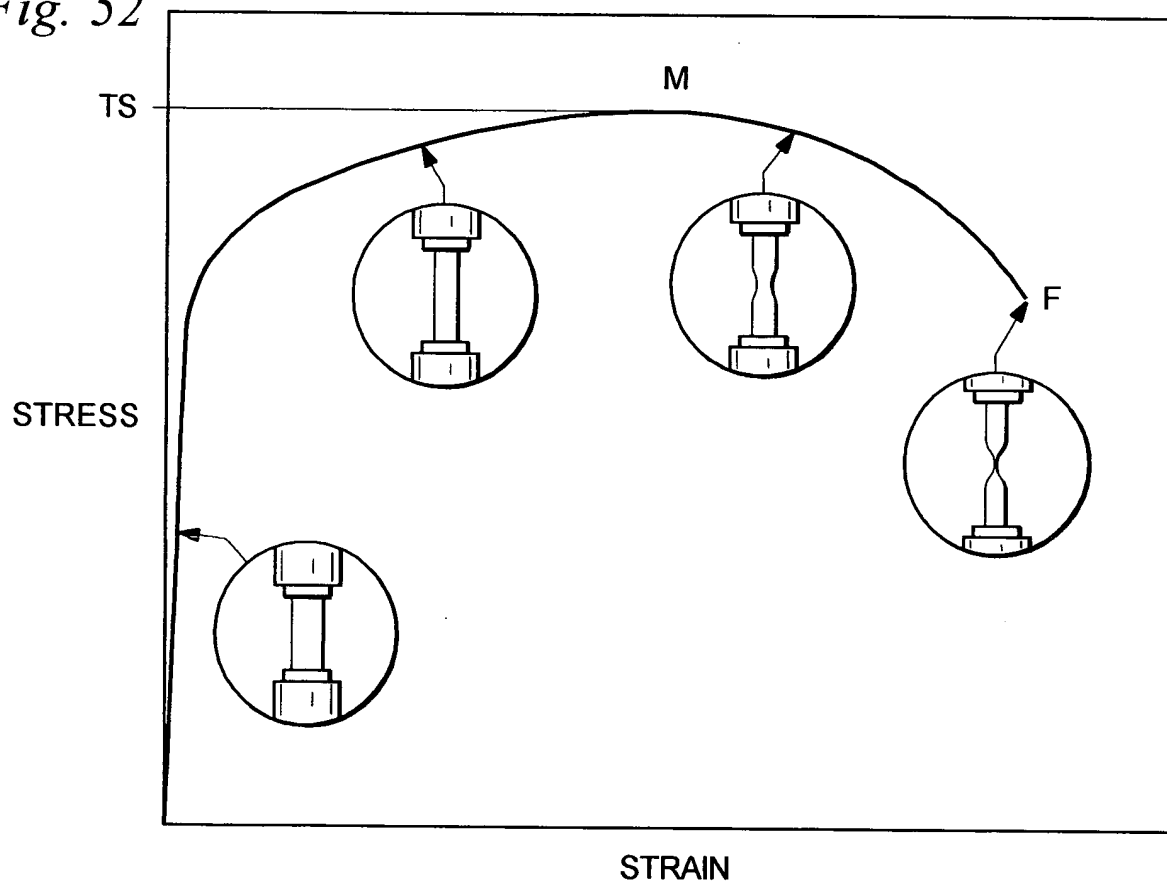
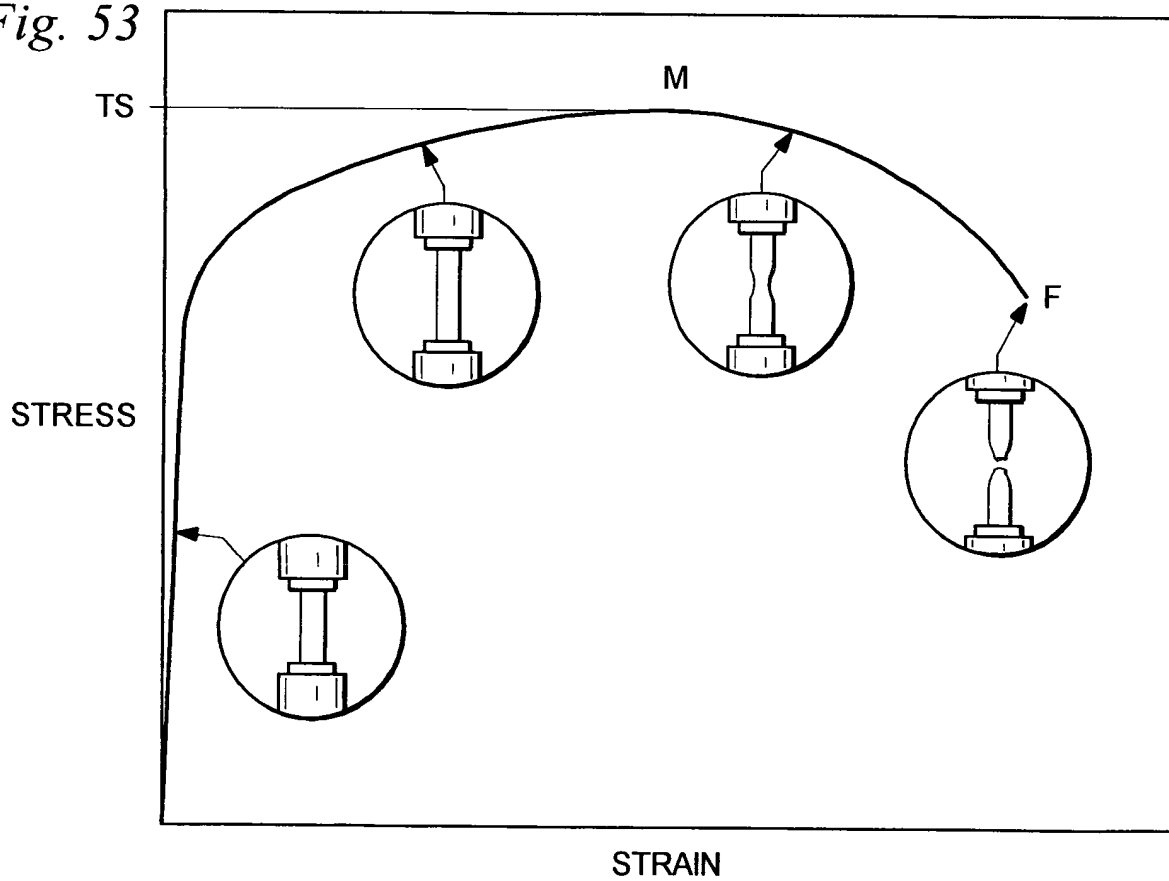


Fig. 50f





*Fig. 52*

*Fig. 53*

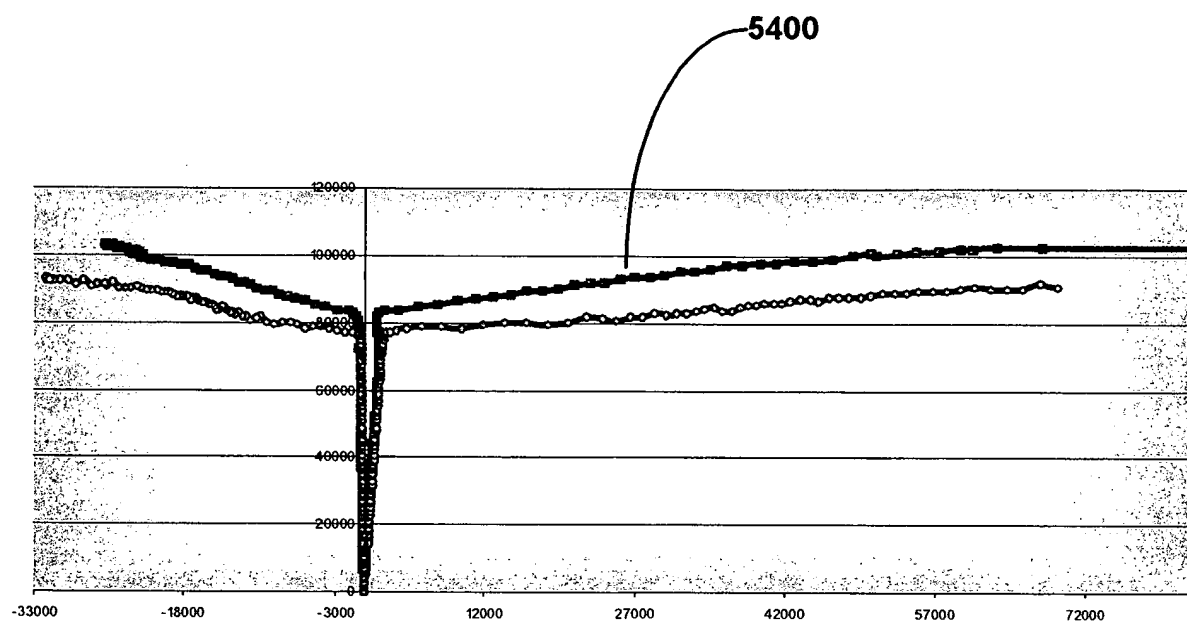


FIG. 54

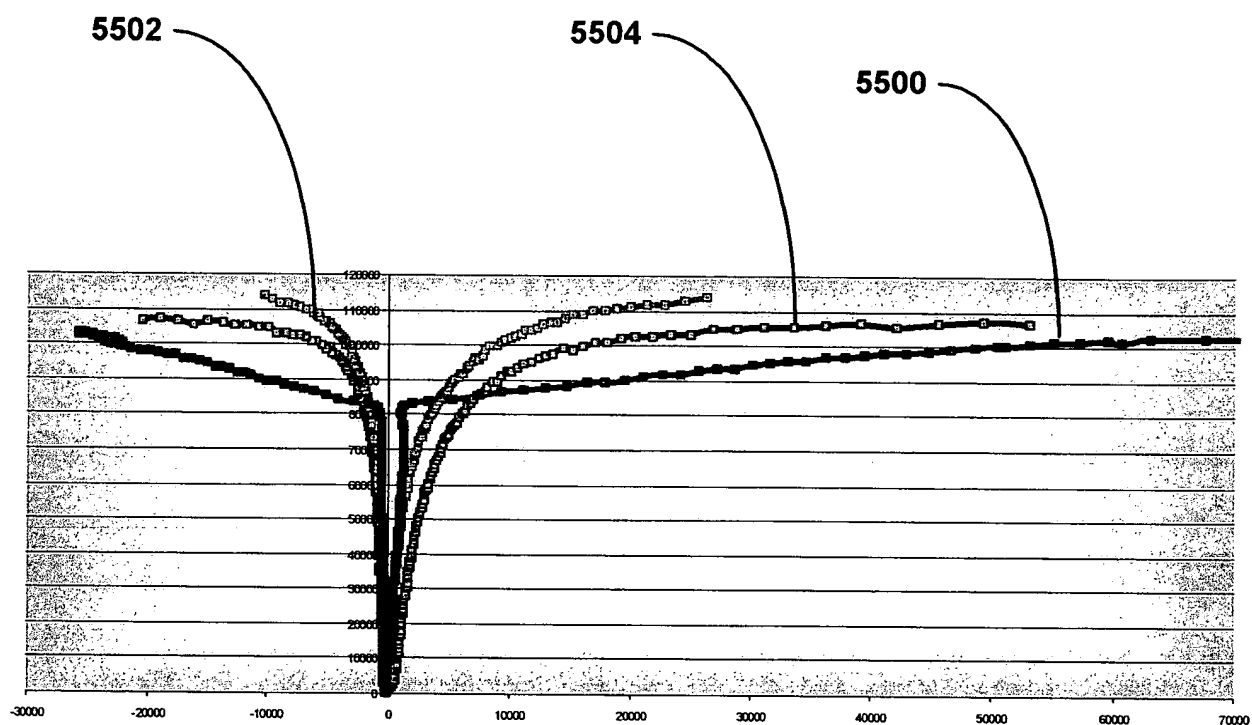


FIG. 55

5600

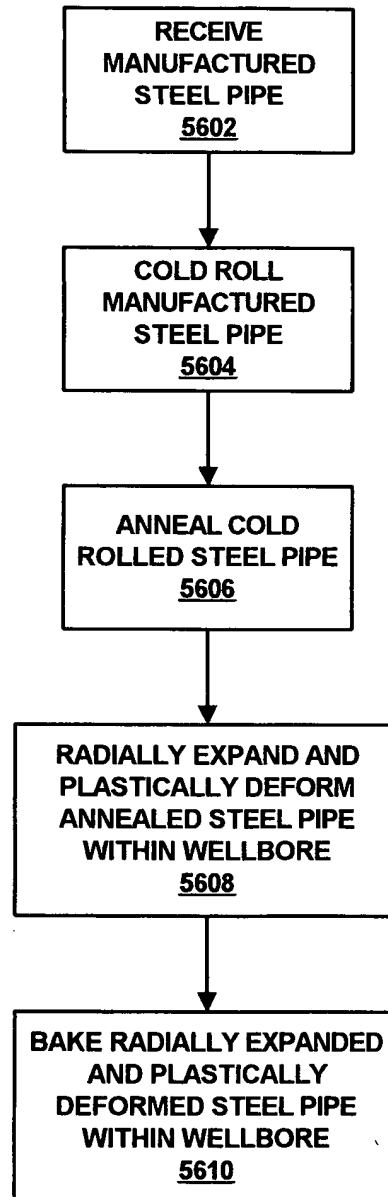


FIG. 56

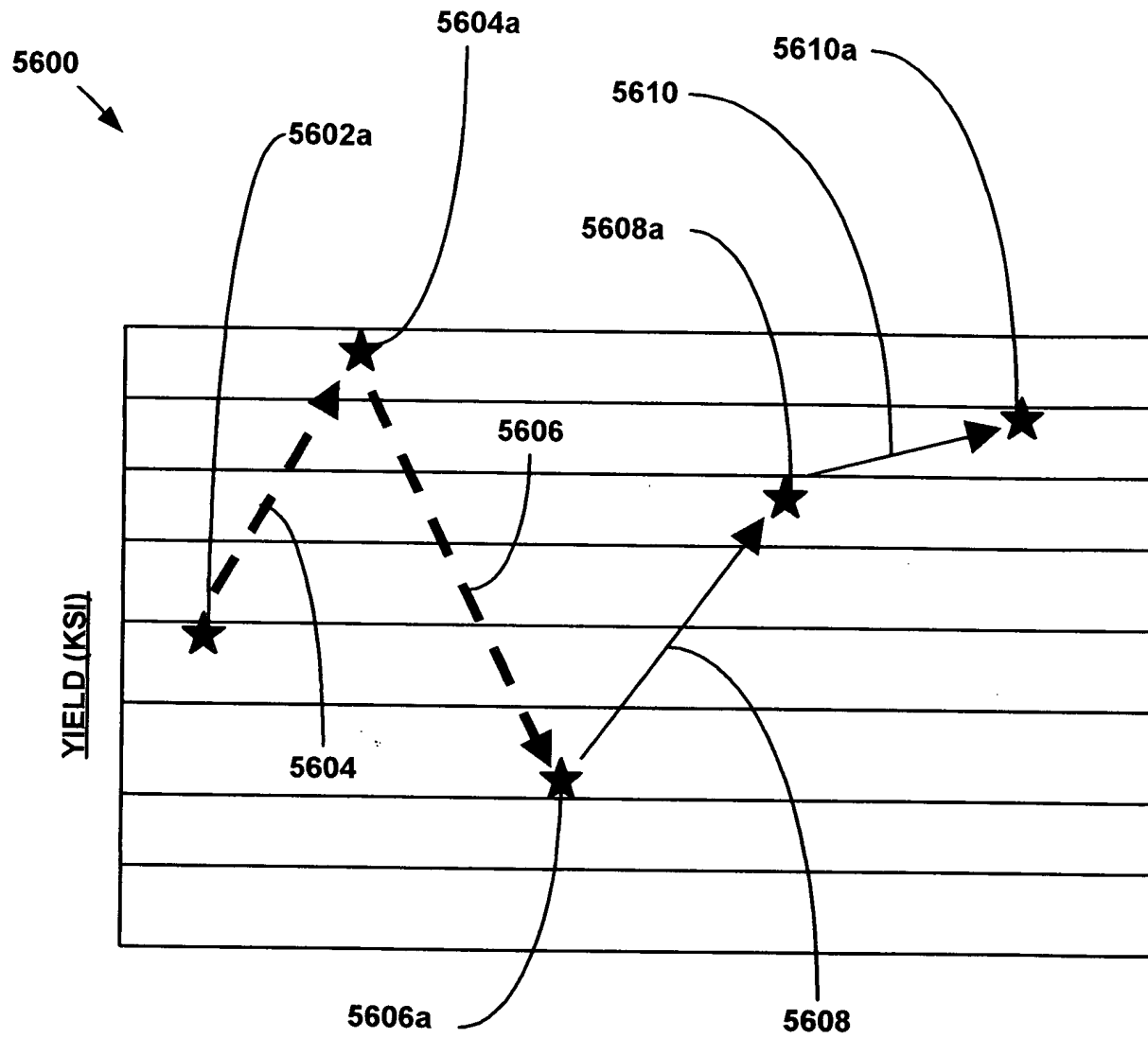


FIG. 57

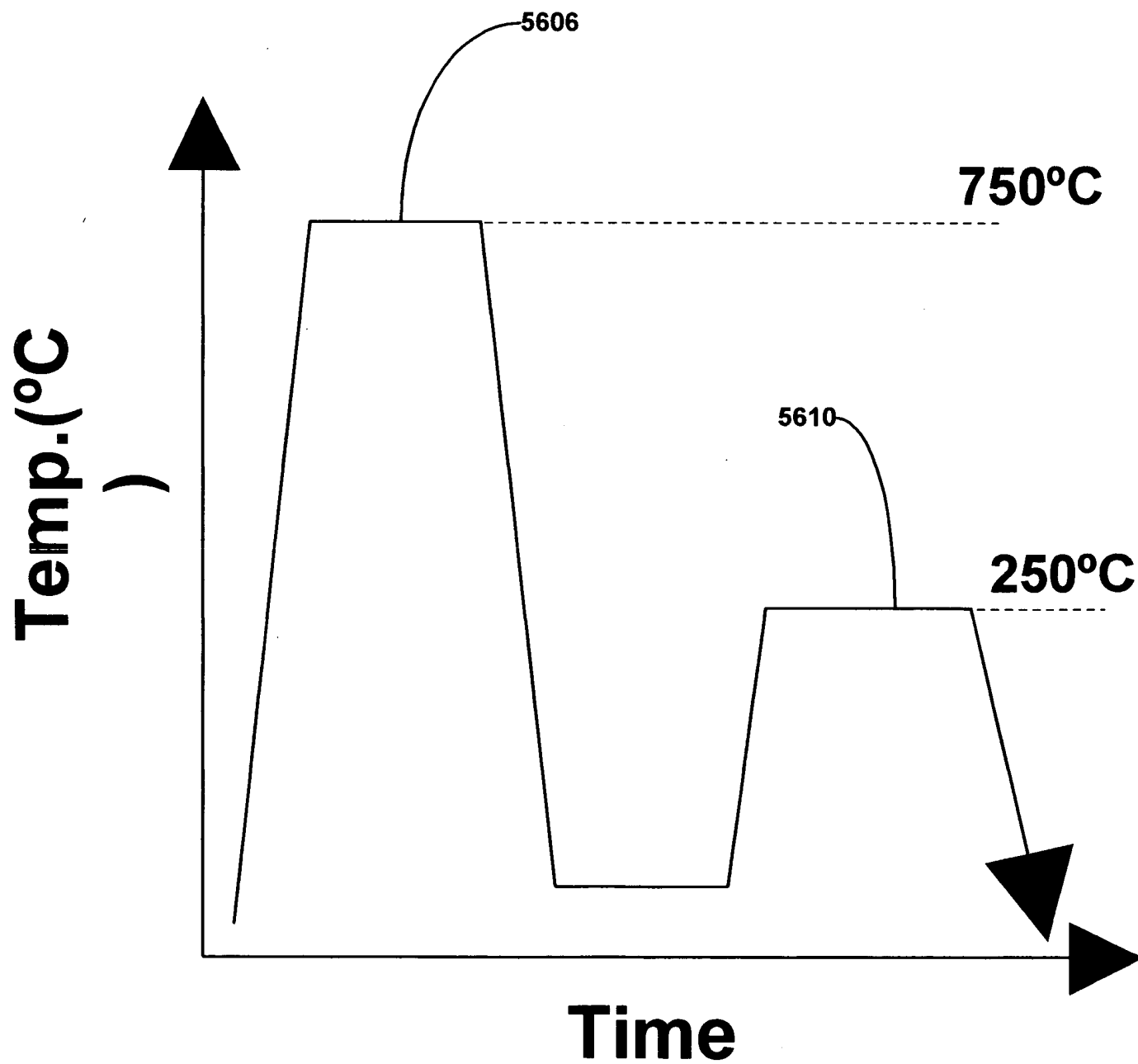


FIG. 58

5604

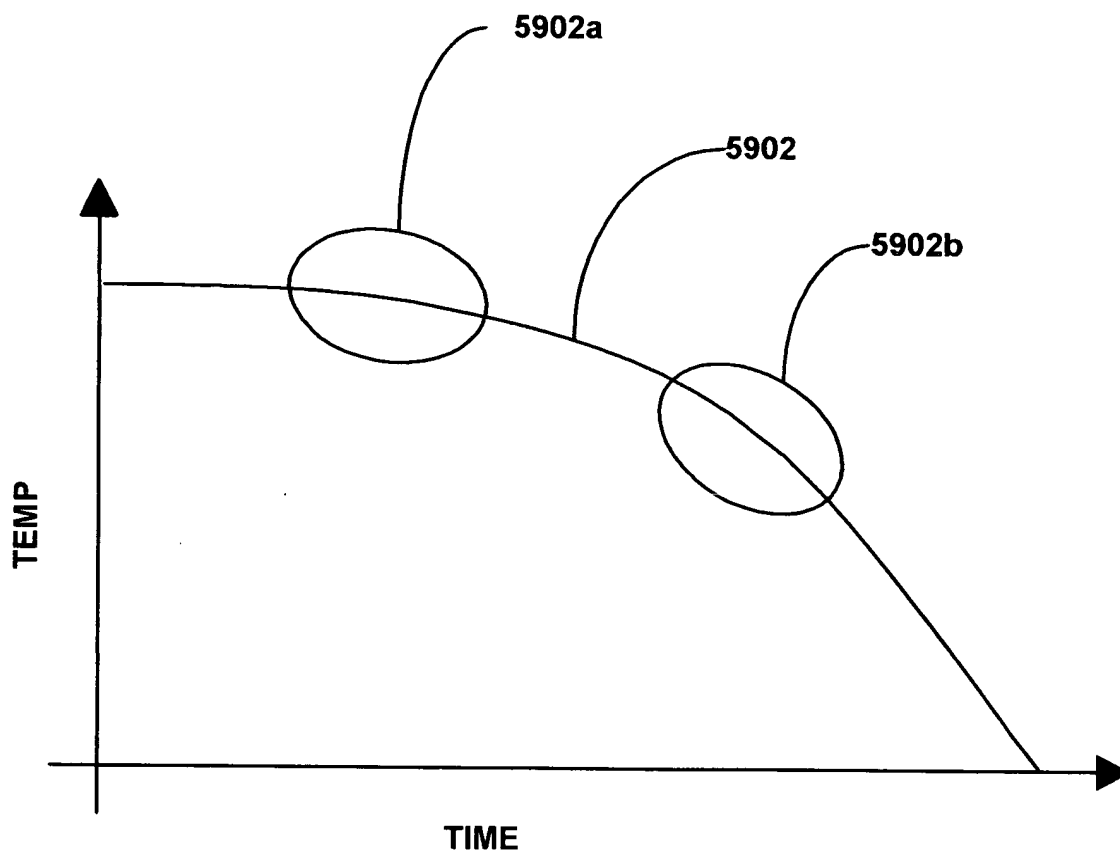


FIG. 59

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